## Issues

| # | Project | Tracker | Status | Priority | Subject | Author | Assignee | Target version |
|---|---|---|---|---|---|---|---|---|
| 9288 | QEMU4V | Bug | Closed | Immediate | /target/mips/translate.c:2617:9: error: ‘else’ without a previous ‘if’ | Sergey Smolov | Maxim Chudnov | 0.2 |
| 9915 | Verilog Translator | Bug | Closed | Urgent | "Cycle inclusion has been detected in fine <filename>" error is reported for Verilog modules that use the same another file | Sergey Smolov | Alexey Danilov | 0.1 |
| 5680 | Retrascope | Bug | Closed | Urgent | [efsm][generator][test][fate] DirectedFateGenerator.generateSequence -> NullPointerException | Sergey Smolov | Igor Melnichenko | 0.1 |
| 5719 | Retrascope | Bug | Closed | Urgent | EFSM Test Generator hangs on b11 | Sergey Smolov | Igor Melnichenko | 0.1 |
| 5461 | Fortress | Bug | Closed | High | [arrays] Insufficient arrays support | Sergey Smolov | Artem Kotsynyak | 0.3 |
| 5453 | Fortress | Bug | Closed | High | [arrays] Unexpected solver output: " (INSTQUEUE ((as const (Array Int Int)) 0))" | Sergey Smolov | Artem Kotsynyak | 0.3 |
| 7557 | Fortress | Bug | Closed | High | ConstCastTestCase: java.lang.AssertionError: Calculator failed to substitute result | Sergey Smolov | Artem Kotsynyak | 0.4 |
| 6263 | Retrascope | Bug | Closed | High | Crash when test generation engine elaborates EFSMs from alu.vhd: java.lang.IllegalArgumentException | Sergey Smolov | Sergey Smolov | 0.2 |
| 5263 | Retrascope | Bug | Rejected | High | [efsm][generator][test] EfsmTestGeneratorTestCase -> java.lang.OutOfMemoryError: Java heap space | Sergey Smolov | Igor Melnichenko | 0.1 |
| 5608 | Retrascope | Bug | Closed | High | [efsm][generator][test][fate] FATE generator hangs at b03 description from ITC'99 | Sergey Smolov | Igor Melnichenko | 0.1 |
| 5510 | Retrascope | Bug | Closed | High | [efsm][generator][test] RandomFateSequenceIterator compilation error | Sergey Smolov | Igor Melnichenko | 0.1 |
| 5648 | Retrascope | Bug | Rejected | High | EfsmSimulator.executeAssignment -> Unsupported data type of ranged variable: (MAP LOGIC_INTEGER LOGIC_INTEGER) | Sergey Smolov | Igor Melnichenko | 0.2 |
| 5715 | Retrascope | Bug | Closed | High | EfsmTestGenerator.java:138: error: method put in interface Map<K,V> cannot be applied to given types -> traversedPaths.put(efsm, new HashSet<>()); | Sergey Smolov | Igor Melnichenko | 0.1 |
| 5528 | Retrascope | Bug | Closed | High | [engine][testbench] java.nio.file.FileAlreadyExistsException: decider_parser.vhd | Sergey Smolov | Igor Melnichenko | 0.1 |
| 5524 | Retrascope | Bug | Closed | High | [engine][xml] wrong package for TestXmlPrinter | Sergey Smolov | Igor Melnichenko | 0.1 |
| 5525 | Retrascope | Bug | Closed | High | [engine][xml] wrong package for TestXmlPrinterTestCase | Sergey Smolov | Igor Melnichenko | 0.1 |
| 5425 | Fortress | Bug | Closed | High | [expression] java.lang.IllegalArgumentException: Expression is not a condition: (BVEXTRACT D_IN 0 0) | Sergey Smolov | Andrei Tatarnikov | 0.3 |
| 9993 | Verilog Translator | Bug | New | High | if two modules are passed to the tool and one includes another, the tool hangs | Sergey Smolov | Alexander Kamkin | 0.1 |
| 9173 | Verilog Translator | Bug | Closed | High | Incorrect DataType: BIT_VECTOR(1) instead of BIT_VECTOR(40) | Sergey Smolov | Alexander Kamkin | 0.1 |
| 10102 | MicroTESK | Bug | Closed | High | incorrect ld scripts for x86 test programs | Sergey Smolov | Alexander Kamkin | 2.5 |
| 9165 | Verilog Translator | Bug | Closed | High | Incorrect parameter value calculation at hierarchical Verilog description | Sergey Smolov | Alexander Kamkin | 0.1 |
| 10173 | Verilog Translator | Bug | Closed | High | javadoc: DefineStructure.java:37: warning: no @return | Sergey Smolov | Alexey Danilov | 0.1 |
| 9210 | Verilog Translator | Bug | Closed | High | java.lang.IllegalArgumentException at ru.ispras.fortress.expression.Nodes.bvextract(Nodes.java:322) | Sergey Smolov | Alexander Kamkin | 0.1 |

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| 9211 | Verilog Translator | Bug | Closed | High | java.lang.IllegalArgumentException at ru.ispras.verilog.parser.model.VerilogModule.addDeclaration(VerilogModule.java:193) | Sergey Smolov | Alexander Kamkin | 0.1 |
| 9902 | Verilog Translator | Bug | New | High | java.lang.IllegalArgumentException: Descriptor for '<var name>' has not been found | Sergey Smolov | Alexander Kamkin | 0.1 |
| 6959 | Retrascope IDE | Bug | Closed | High | java.lang.NullPointerException at startup | Sergey Smolov | Sergey Smolov | 0.1 |
| 9209 | Verilog Translator | Bug | Closed | High | java.util.EmptyStackException at ru.ispras.verilog.parser.util.TokenSourceStack.getLastParentToken(TokenSourceStack.java:70) | Sergey Smolov | Sergey Smolov | 0.1 |
| 5873 | Retrascope | Bug | Closed | High | missing transitions in b04 EFSM | Sergey Smolov | Sergey Smolov | 0.1 |
| 10174 | Retrascope | Bug | Closed | High | nondeterminism at EFSM transitions generation | Sergey Smolov | Sergey Smolov | 1.1 |
| 9174 | Verilog Translator | Bug | Closed | High | NullPointerException via VerilogLiteral construction | Sergey Smolov | Alexander Kamkin | 0.1 |
| 9521 | Retrascope | Bug | Closed | High | NuSMV works too slow on ITC'99 b11 design | Sergey Smolov | Mikhail Lebedev | 1.0 |
| 7423 | Retrascope | Bug | Rejected | High | rnd_fsm.vhd: empty tst file | Sergey Smolov | Igor Melnichenko | 0.2 |
| 9386 | MicroTESK for PowerPC | Bug | Closed | High | ru.ispras.microtesk.model.powerpc.InstructionALUTestCase: Assembler messages: ../microtesk-powerpc/build/test/instruction_alu/instruction_alu_0000.s:1: Error: junk at end of line, first unrecognized character is `/' | Sergey Smolov | Sergey Smolov | |
| 10023 | Retrascope | Bug | Closed | High | ru.ispras.retrascope.parser.verilog.VerilogParserTestCase: java.lang.Exception: Method runTest should have no parameters | Sergey Smolov | Maxim Chudnov | 1.1 |
| 9798 | Verilog Translator | Bug | Closed | High | ru.ispras.verilog.parser.sample.Bug9798TestCase: incorrect BVEXTRACT params for bit vector variable with offset | Sergey Smolov | Alexander Kamkin | 0.1 |
| 9282 | Verilog Translator | Bug | Closed | High | ru.ispras.verilog.parser.sample.DataMemTestCase: DEBUG: Reduce: (BVEXTRACT 0 7 mem_access_addr) | Sergey Smolov | Alexander Kamkin | 0.1 |
| 9190 | Verilog Translator | Bug | Closed | High | ru.ispras.verilog.parser.sample.DescriptorBuffersTestCase: incorrect calculation for string parameter values | Sergey Smolov | Alexander Kamkin | 0.1 |
| 8786 | Verilog Translator | Bug | Closed | High | ru.ispras.verilog.parser.sample.FifoTestbenchTestCase fails | Sergey Smolov | Sergey Smolov | 0.1 |
| 9250 | Verilog Translator | Bug | Closed | High | ru.ispras.verilog.parser.sample.IfStageTestCase: src/test/verilog/rest-tests/mips16/IF_stage.v line 31:9 missing KW_BEGIN at 'pc' | Sergey Smolov | Alexander Kamkin | 0.1 |
| 9962 | Verilog Translator | Bug | Closed | High | ru.ispras.verilog.parser.sample.Mips16CoreTopTestCase: java.lang.IllegalArgumentException | Sergey Smolov | Alexey Danilov | 0.1 |
| 9239 | Verilog Translator | Bug | Closed | High | ru.ispras.verilog.parser.sample.Mips16CoreTopTestCase: java.lang.IllegalArgumentException | Sergey Smolov | Alexander Kamkin | 0.1 |
| 9160 | Verilog Translator | Bug | Closed | High | ru.ispras.verilog.parser.sample.Mips16CoreTopTestCase: Module 'mips_16_core_top' cannot be found | Sergey Smolov | Alexander Kamkin | 0.1 |
| 9182 | Verilog Translator | Bug | Closed | High | ru.ispras.verilog.parser.sample.MulFifoTestCase: java.lang.IllegalStateException: Parameter is not a value: i | Sergey Smolov | Alexander Kamkin | 0.1 |
| 9202 | Verilog Translator | Bug | Closed | High | ru.ispras.verilog.parser.sample.PjIcuIcctl1TestCase: java.lang.ArrayIndexOutOfBoundsException: 3 | Sergey Smolov | Alexander Kamkin | 0.1 |

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| 10216 | Verilog Translator | Bug | Closed | High | ru.ispras.verilog.parser.VerilogQuipTestSuite#runTest_nut_001: java.lang.NullPointerException | Sergey Smolov | Alexey Danilov | 0.1 |
| 9225 | Verilog Translator | Bug | Closed | High | ru.ispras.verilog.parser.VerilogTexas97TestCase.runTest_MPEG_prefixcode: ERROR: ../texas97-tests/MPEG/prefixcode.v line 70:8 no viable alternative at input ';' | Sergey Smolov | Mikhail Lebedev | 0.1 |
| 9224 | Verilog Translator | Bug | Closed | High | ru.ispras.verilog.parser.VerilogTexas97TestCase.runTest_PCI_BUS_Verilog_MV_files_PCInorm: ERROR: Function declaration '$random' has not been found | Sergey Smolov | Alexander Kamkin | 0.1 |
| 9230 | Verilog Translator | Bug | Closed | High | ru.ispras.verilog.parser.VerilogTexas97TestCase.runTest_PI_BUS_multi_master_bus: java.lang.IllegalArgumentException | Sergey Smolov | Sergey Smolov | 0.1 |
| 9231 | Verilog Translator | Bug | Closed | High | ru.ispras.verilog.parser.VerilogTexas97TestCase.runTest_PI_BUS_single_master_master2: java.lang.NullPointerException | Sergey Smolov | Sergey Smolov | 0.1 |
| 9213 | Verilog Translator | Bug | Rejected | High | ru.ispras.verilog.parser.VerilogTexas97TestCase.runTest_PPC60X_bus_src_arbiter: Module 'ArbiterStatus' cannot be found | Sergey Smolov | Alexander Kamkin | 0.1 |
| 9214 | Verilog Translator | Bug | Rejected | High | ru.ispras.verilog.parser.VerilogTexas97TestCase.runTest_PPC60X_bus_src_cpu: Module 'AddressTenure' cannot be found | Sergey Smolov | Alexander Kamkin | 0.1 |
| 9215 | Verilog Translator | Bug | Rejected | High | ru.ispras.verilog.parser.VerilogTexas97TestCase.runTest_PPC60X_bus_src_mem: Module 'AddrStatus' cannot be found | Sergey Smolov | Alexander Kamkin | 0.1 |
| 10237 | Verilog Translator | Bug | Closed | High | ru.ispras.verilog.parser.VerilogTexas97TestSuite#runTest_Pi_Bus_single_master_main2: ERROR: Cycle inclusion at: '...bus.v' | Sergey Smolov | Alexey Danilov | 0.1 |
| 9223 | Verilog Translator | Bug | Closed | High | ru.ispras.verilog.parser.VerilogVcegarTestCase.runTest_pj_icu_icctl1: ERROR: Declaration of 'clk' has not been found | Sergey Smolov | Mikhail Lebedev | 0.1 |
| 9226 | Verilog Translator | Bug | Closed | High | ru.ispras.verilog.parser.VerilogVcegarTestCase.runTest_small_pipeline_pipeline_smv: /src/test/verilog/vcegar-tests/small/pipeline/pipeline_smv.v line 38:10 no viable alternative at input 'property' | Sergey Smolov | Mikhail Lebedev | 0.1 |
| 9222 | Verilog Translator | Bug | Closed | High | ru.ispras.verilog.parser.VerilogVisVerilog2SmvTestCase.runTest_Sampleq_twoFifo1: java.lang.IllegalStateException: Parameter is not a value: LOGLENGTH | Sergey Smolov | Alexander Kamkin | 0.1 |
| 9212 | Verilog Translator | Bug | Closed | High | ru.ispras.verilog.parser.VerilogVisVerilog2SmvTestCase.runTest_Vlunc_vlunc: Module 'transform' cannot be found | Sergey Smolov | Alexander Kamkin | 0.1 |
| 4813 | Fortress | Bug | Closed | High | [solver][constraint] Невозможно создавать тривиальные ограничения | Sergey Smolov | Andrei Tatarnikov | 0.3 |
| 6363 | Verilog Translator | Bug | Closed | High | src/test/verilog/fifo0/mem_2p.v: AbstractMethodError | Sergey Smolov | Alexander Kamkin | 0.1 |
| 6355 | Verilog Translator | Bug | Closed | High | src/test/verilog/fifo/fifo_testbench.v: NullPointerException | Sergey Smolov | Alexander Kamkin | 0.1 |
| 9936 | Verilog Translator | Bug | Closed | High | tabs in "`define" directive cause java.lang.NumberFormatException | Sergey Smolov | Alexey Danilov | 0.1 |
| 7730 | MicroTESK | Bug | Closed | High | [tarmac-logger] missing "<cpu>" tag | Sergey Smolov | Andrei Tatarnikov | 2.4 |
| 9055 | Verilog Translator | Bug | Closed | High | Texas97IFetchVerilogPrinterTestCase: java.lang.IndexOutOfBoundsException: 4294967283 is out of bounds. | Sergey Smolov | Alexander Kamkin | 0.1 |
| 10081 | Retrascope | Bug | Closed | High | tool hangs right after final "Duration: " msg | Sergey Smolov | Sergey Smolov | 1.1 |
| 6352 | Fortress | Bug | Closed | High | Transformer.standardize returns 'false' on (AND (EQ a 00) (NOT(EQ a b 00))) | Sergey Smolov | Artem Kotsynyak | 0.4 |

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| 8990 | Verilog Translator | Bug | Closed | High | vcegar-benchmarks/pi_bus/main_1.v: incorrect translation of nested "if" conditions | Sergey Smolov | Alexander Kamkin | 0.1 |
| 9296 | Verilog Translator | Bug | Closed | High | vcegar-tests/cache_coherence/two_processor_bin_2.v:46: illegal types of "then" and "else" expressions : unsigned word[1] and boolean | Sergey Smolov | Alexander Kamkin | 0.1 |
| 5567 | Verilog Translator | Bug | Closed | High | VerilogStaticChecker.ExpressionVisitor is not abstract and does not override abstract method getOperandOrder() in ExprTreeVisitor | Sergey Smolov | Alexander Kamkin | 0.1 |
| 8957 | Verilog Translator | Bug | Closed | High | wrong datatype for arrays | Sergey Smolov | Alexander Kamkin | 0.1 |
| 5836 | Local Support Project | Bug | Resolved | High | не собирается проект на сервере Jenkins | Sergey Smolov | Sergey Smolov | |
| 8285 | Retrascope | Bug | Closed | Normal | 0% coverage of EFSM transitions for b01 example | Sergey Smolov | Sergey Smolov | 0.2 |
| 7097 | Retrascope | Bug | Closed | Normal | 32-bit constants should be casted to appropriate values | Sergey Smolov | Sergey Smolov | 0.2 |
| 10512 | Verilog Translator | Bug | New | Normal | ADDA162H90A_atop.v line 120:47 mismatched input ':' expecting RPAREN | Sergey Smolov | Alexander Kamkin | 0.1 |
| 9477 | Retrascope RISC-V Benchmark | Bug | New | Normal | an "import "DPI-C" function" construction causes Verilog Translator error | Sergey Smolov | Alexander Kamkin | |
| 6413 | Retrascope | Bug | Closed | Normal | b03.vhd: different EFSM extraction stats | Sergey Smolov | Sergey Smolov | 0.1 |
| 6424 | Retrascope | Bug | Closed | Normal | b05.vhd: line 64: at token "d32_-10": syntax error | Sergey Smolov | Mikhail Lebedev | 0.1 |
| 6425 | Retrascope | Bug | Closed | Normal | b12.vhd: XmvExprPrinter.getConstant(XmvExprPrinter.java:330) -> NullPointerException | Sergey Smolov | Mikhail Lebedev | 0.1 |
| 6430 | Retrascope | Bug | Closed | Normal | b14.vhd: StackOverflowError | Sergey Smolov | Sergey Smolov | 0.2 |
| 9844 | Retrascope Test Suite | Bug | Rejected | Normal | Bash scripts that run side tools (EBMC, SymbiYosys, Verilog2SMV) can't extract names of several Verilog modules | Sergey Smolov | Sergey Smolov | |
| 5096 | Retrascope | Bug | Closed | Normal | [basis] FileCreator: "Can't create file" error | Sergey Smolov | Alexander Kamkin | 0.1 |
| 6353 | Retrascope | Bug | Closed | Normal | Case children of one Switch node can have equal NodeValue | Sergey Smolov | Sergey Smolov | 0.1 |
| 4926 | Retrascope | Bug | Closed | Normal | [cfg][model] Путаница с наследниками CfgNode | Sergey Smolov | Sergey Smolov | 0.1 |
| 5256 | Retrascope | Bug | Closed | Normal | [cfg][printer][graphml] Не отображать вершины типа Case | Sergey Smolov | Sergey Smolov | 0.1 |
| 5126 | Retrascope | Bug | Closed | Normal | [cfg][printer][graphml] Узлы BasicBlock и Merge имеют одинаковый цвет и форму | Sergey Smolov | Alexander Protsenko | 0.1 |
| 5509 | Retrascope | Bug | Closed | Normal | [cfg][printer][smv] javadoc warnings | Sergey Smolov | Mikhail Lebedev | 0.1 |
| 5508 | Retrascope | Bug | Closed | Normal | [cfg][printer][smv] java.io.IOException | Sergey Smolov | Mikhail Lebedev | 0.1 |
| 8237 | Retrascope | Bug | Closed | Normal | CFG random test generator works too slow on b19 | Sergey Smolov | Sergey Smolov | 0.2 |
| 4928 | Retrascope | Bug | Rejected | Normal | [cfg] Range может состоять из нескольких участков | Sergey Smolov | Sergey Smolov | 0.1 |
| 8245 | Retrascope | Bug | Closed | Normal | cfg-rnd-testgen: IllegalArgumentException at minimips\pps_pf.v | Sergey Smolov | Sergey Smolov | 0.2 |
| 7166 | Retrascope | Bug | Closed | Normal | cfg-rnd-testgen: OutOfMemoryError at b10 (1.000.000 ticks) | Sergey Smolov | Sergey Smolov | 0.2 |
| 7145 | Retrascope | Bug | Closed | Normal | cfg-rnd-testgen: take variable invariants into account | Sergey Smolov | Sergey Smolov | 0.2 |

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| 8991 | Retrascope | Bug | Closed | Normal | CfgSwitchSequenceBackend: do not collapse "if" statements with incompatible conditions | Sergey Smolov | Sergey Smolov | 1.0 |
| 4836 | Retrascope | Bug | Closed | Normal | [cfg][transformer][cgaa] java heap space error at control.vhd\mlite2sram.vhd | Sergey Smolov | Sergey Smolov | 0.1 |
| 4357 | Retrascope | Bug | Closed | Normal | [cfg][transformer][cgaa] Внести исправления в методы извлечения clock-like variables | Sergey Smolov | Sergey Smolov | 0.1 |
| 8244 | Retrascope | Bug | Closed | Normal | CGAA-to-EFSM engine falls on b05 test | Sergey Smolov | Sergey Smolov | 0.2 |
| 9463 | Retrascope | Bug | Closed | Normal | check if jUnit test cases for CfgCgaaTransformer return same results on different machines\platforms | Sergey Smolov | Sergey Smolov | 1.0 |
| 10141 | Verilog Translator | Bug | Closed | Normal | check port redeclarations | Sergey Smolov | Alexey Danilov | 0.1 |
| 10370 | Fortress | Bug | Closed | Normal | class ru.ispras.fortress.solver.constraint.Formulas cannot be cast to class ru.ispras.fortress.solver.constraint.Sat4jFormula | Sergey Smolov | Sergey Smolov | 0.4 |
| 10069 | MicroTESK | Bug | New | Normal | cpu.nml Error: Internal error: context [/Isa] 1:8 attribute file isn't defined | Sergey Smolov | Alexander Kamkin | 2.6 |
| 3590 | C++TESK Testing ToolKit | Bug | Closed | Normal | C++TesK installation fails on OpenSUSE 12.2 x64 | Sergey Smolov | Sergey Smolov | 1.0 |
| 8738 | Verilog Translator | Bug | Closed | Normal | DataMemTestCase falls with error | Sergey Smolov | Alexander Kamkin | 0.1 |
| 3622 | Retrascope | Bug | Closed | Normal | DFGElementaryCyclesTest & DFGClusterStatisticsTest - java.lang.OutOfMemoryError: Java heap space | Sergey Smolov | Sergey Smolov | |
| 5499 | Retrascope | Bug | Closed | Normal | [efsm][extractor][conflict] move & rename EfsmConflicts class | Sergey Smolov | Mikhail Lebedev | 0.1 |
| 5538 | Retrascope | Bug | Closed | Normal | [efsm][generator][test] EfsmFateTestGeneratorVhdlTestCase -> java.lang.RuntimeException: Unexpected simulation result. | Sergey Smolov | Igor Melnichenko | 0.1 |
| 5536 | Retrascope | Bug | Closed | Normal | [efsm][generator][test] EfsmTestGeneratorVhdlTestCase -> java.lang.RuntimeException: Unexpected simulation result | Sergey Smolov | Igor Melnichenko | 0.1 |
| 5572 | Retrascope | Bug | Closed | Normal | [efsm][simulator] b10: Failed to resolve the assignment constraint | Sergey Smolov | Igor Melnichenko | 0.1 |
| 5004 | Retrascope | Bug | Rejected | Normal | [efsm][simulator][execution] ReferenceEfsmTestGeneratorTest.java : java.lang.RuntimeException: An error occured while trying to resolve a constraint. | Sergey Smolov | Igor Melnichenko | 0.1 |
| 5103 | Retrascope | Bug | Closed | Normal | [efsm][simulator][execution] ReferenceEfsmTestGeneratorTest -> NullPointerException | Sergey Smolov | Igor Melnichenko | 0.1 |
| 5831 | Retrascope | Bug | Closed | Normal | EfsmSimulator.java -> Tag @see: can't find getResetGuardedAction() in ru.ispras.retrascope.model.efsm.Efsm | Sergey Smolov | Igor Melnichenko | 0.1 |
| 5736 | Retrascope | Bug | Closed | Normal | EfsmSimulator.substituteVariables(EfsmSimulator.java:736) -> NullPointerException | Sergey Smolov | Igor Melnichenko | 0.1 |
| 10236 | Retrascope | Bug | Rejected | Normal | efsm-test-generator hangs at opencores/mips16/data_mem.v | Sergey Smolov | Sergey Smolov | 1.1 |
| 6281 | Retrascope | Bug | Closed | Normal | EfsmTestGeneratorVhdlTestCase: Efsm.UNINITIALISED_STATE isn't supported yet | Sergey Smolov | Sergey Smolov | 0.1 |
| 5248 | Retrascope | Bug | Closed | Normal | [efsm][testgen]FateTestCase -> java.lang.NumberFormatException: For input string: "-2975976114" | Sergey Smolov | Igor Melnichenko | 0.1 |
| 5171 | Retrascope | Bug | Closed | Normal | [efsm][testgen][test] ru.ispras.retrascope.util.XmlUtilTestCase -> NullPointerException | Sergey Smolov | Igor Melnichenko | 0.1 |
| 10085 | Retrascope | Bug | Closed | Normal | EfsmTransitionPropertyExtractorTestCase: There is no declaration of variable neither in this EFSM nor in its ancestors: process_0.D | Sergey Smolov | Sergey Smolov | 1.1 |
| 8681 | Retrascope | Bug | Closed | Normal | EngineRegistry fails to create toolchain when HashSet\HashMap are used | Sergey Smolov | Alexander Kamkin | 1.0 |

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| 5502 | Retrascope | Bug | Closed | Normal | [engine][testbench] 'engine' subpackages must not contain entities | Sergey Smolov | Igor Melnichenko | 0.1 |
| 5500 | Retrascope | Bug | Closed | Normal | [engine][testbench] possible bug in TestVhdlTestbenchPrinter engine id | Sergey Smolov | Igor Melnichenko | 0.1 |
| 5414 | Retrascope | Bug | Closed | Normal | [engine][xml]/[util]: TransducedAccessor.get -> NullPointerException | Sergey Smolov | Igor Melnichenko | 0.1 |
| 5401 | Fortress | Bug | Closed | Normal | error at ru/ispras/fortress/solver/constraint/ArrayTestCase.java | Sergey Smolov | Andrei Tatarnikov | 0.3 |
| 10509 | Verilog Translator | Bug | New | Normal | ERROR: [Internal] 0 must be > 0 | Sergey Smolov | Alexander Kamkin | 0.1 |
| 10505 | Verilog Translator | Bug | New | Normal | ERROR: [Internal] 11 must be within range [0, 1) | Sergey Smolov | Alexander Kamkin | 0.1 |
| 10510 | Verilog Translator | Bug | New | Normal | ERROR: [Internal] Bit vector sizes do not match: 32 != 2. | Sergey Smolov | Alexander Kamkin | 0.1 |
| 10508 | Verilog Translator | Bug | New | Normal | ERROR: [Internal] Java heap space | Sergey Smolov | Alexander Kamkin | 0.1 |
| 9478 | Retrascope RISC-V Benchmark | Bug | New | Normal | ERROR: retrascope-riscv\src\main\verilog\rocket-chip\src\main\resources\vsrc\TestDriver.v line 28:2 no viable alternative at input 'int' | Sergey Smolov | | |
| 10215 | Verilog Translator | Bug | New | Normal | ERROR: Starting points limit has been exhausted: 2255 | Sergey Smolov | Alexander Kamkin | 0.1 |
| 9184 | Veritool | Bug | New | Normal | ERROR: Unable to read config file: /usr/lib/x86_64-linux-gnu/ivl/veritool.conf | Sergey Smolov | | |
| 7753 | Retrascope | Bug | Closed | Normal | example.vhd: cannot generate SMV-based test | Sergey Smolov | Sergey Smolov | 0.2 |
| 6426 | Retrascope | Bug | Closed | Normal | example.vhd: HlddXmvVisitor.onProcessEnd(HlddXmvVisitor.java:381) -> NullPointerException | Sergey Smolov | Mikhail Lebedev | 0.1 |
| 9594 | Verilog Translator | Bug | Closed | Normal | extra 'BVEXTRACT' operation in right hand side expression in 'assign' block's statement | Sergey Smolov | Alexander Kamkin | 0.1 |
| 9377 | MicroTESK for MIPS | Bug | New | Normal | 'Failed to construct decoder' warnings in project's build log | Sergey Smolov | Alexander Kamkin | |
| 5692 | Retrascope | Bug | Rejected | Normal | FATE/FATE+ hangs on b03 with Java 1.8 | Sergey Smolov | Igor Melnichenko | |
| 6504 | Retrascope | Bug | Closed | Normal | fifo/fifo.v: nuSMV model checker returns ERROR | Sergey Smolov | Mikhail Lebedev | 0.1 |
| 7883 | Retrascope | Bug | Closed | Normal | fifo_testbench.v: java.lang.NullPointerException | Sergey Smolov | Sergey Smolov | 0.2 |
| 6335 | Retrascope | Bug | Closed | Normal | fifo.v: non-constant number of extracted EFSMs' transitions | Sergey Smolov | Sergey Smolov | 0.1 |
| 8912 | Retrascope | Bug | Closed | Normal | file ram.smv: line 332: variable is assigned more than once: m_ram.mem0 | Sergey Smolov | Sergey Smolov | 1.0 |
| 6730 | Retrascope | Bug | Closed | Normal | fix javadoc | Sergey Smolov | Mikhail Lebedev | 0.1 |
| 6510 | Retrascope | Bug | Closed | Normal | fix javadoc | Sergey Smolov | Mikhail Lebedev | 0.1 |
| 6241 | MicroTESK | Bug | Closed | Normal | Generated assembler files contain tab-only lines | Sergey Smolov | Andrei Tatarnikov | 2.2 |
| 8289 | Retrascope | Bug | Closed | Normal | ITC99 b02: no resetting transition has been found | Sergey Smolov | Sergey Smolov | 0.2 |
| 5540 | Retrascope | Bug | Closed | Normal | [javadoc] EfsmSimulator.java:119: warning - @param argument "efsm" is not a parameter name. | Sergey Smolov | Igor Melnichenko | 0.1 |

| # | Project | Tracker | Status | Priority | Subject | Author | Assignee | Target version |
|---|---|---|---|---|---|---|---|---|
| 11042 | Java SoftFloat | Bug | New | Normal | Javadoc warnings | Sergey Smolov | Alexander Protsenko | 2.0 |
| 5505 | Retrascope | Bug | Closed | Normal | [javadoc] warnings while ConflictModel processing | Sergey Smolov | Mikhail Lebedev | 0.1 |
| 5506 | Retrascope | Bug | Closed | Normal | [javadoc] warning while EfsmAtomicFateTestGenerator processing | Sergey Smolov | Igor Melnichenko | 0.1 |
| 5457 | Retrascope | Bug | Closed | Normal | [javadoc] Поправить комментарий в классе engine.efsm.testgen.ulisse.PercolationCoefficient | Sergey Smolov | Igor Melnichenko | 0.1 |
| 6984 | Retrascope IDE | Bug | Closed | Normal | java.io.IOException: Unable to resolve plug-in "platform:/plugin/retrascope-ide/icons/retrascope.gif". | Sergey Smolov | Sergey Smolov | 0.1 |
| 10382 | Verilog Translator | Bug | Closed | Normal | java.lang.IllegalArgumentException: expression=(BVREPEAT test.uut._saxi_maskwidth 1) | Sergey Smolov | Sergey Smolov | 0.1 |
| 10191 | Retrascope | Bug | Closed | Normal | java.lang.IllegalArgumentException: Specified target vertex 0 is not part of graph | Sergey Smolov | Sergey Smolov | 1.1 |
| 9075 | Retrascope | Bug | Closed | Normal | java.lang.IllegalArgumentException: testNum 0 != 1 topModuleNum | Sergey Smolov | Sergey Smolov | 1.0 |
| 10075 | Retrascope | Bug | Closed | Normal | jython.jar: WARNING: An illegal reflective access operation has occurred at JDK 11 | Sergey Smolov | Sergey Smolov | 1.1 |
| 10513 | Verilog Translator | Bug | New | Normal | macOS related line endings at Verilog modules | Sergey Smolov | Alexander Kamkin | 0.1 |
| 5966 | MicroTESK | Bug | Closed | Normal | mark shell scripts as executable in the distribution tar.gz archive | Sergey Smolov | Sergey Smolov | 2.5 |
| 9063 | MicroTESK | Bug | Closed | Normal | microtesk/src/main/java/core/ru/ispras/microtesk/utils/PropertyMap.java uses unchecked or unsafe operations | Sergey Smolov | Alexander Kamkin | 2.5 |
| 7593 | Retrascope | Bug | Closed | Normal | mips16\data_mem.v: java.lang.IllegalArgumentException | Sergey Smolov | Sergey Smolov | 0.2 |
| 7720 | Retrascope | Bug | Closed | Normal | mips16/data_mem.v: The expression to be computed (ram) contains unevaluated variables: [ram] | Sergey Smolov | Sergey Smolov | 0.2 |
| 8779 | Verilog Translator | Bug | Closed | Normal | mips16/data_mem.v: wrong type for define-containing declaration of 'ram_addr' wire | Sergey Smolov | Alexander Kamkin | 0.1 |
| 7576 | Retrascope | Bug | Closed | Normal | mips16/hazard_detection_unit.v: java.lang.IllegalArgumentException: Constraint contains errors | Sergey Smolov | Sergey Smolov | 0.2 |
| 7474 | Verilog Translator | Bug | Closed | Normal | missing empty branches for 'if' statements | Sergey Smolov | Sergey Smolov | 0.1 |
| 9365 | QEMU4V | Bug | Closed | Normal | missing insn binary images in MIPS trace | Sergey Smolov | Sergey Smolov | 0.2 |
| 9485 | Retrascope | Bug | Closed | Normal | missing javadoc | Sergey Smolov | Mikhail Lebedev | 1.0 |
| 8573 | Fortress | Bug | Closed | Normal | missing javadoc | Sergey Smolov | Andrei Tatarnikov | 0.4 |
| 6375 | Retrascope | Bug | Closed | Normal | missing javadoc | Sergey Smolov | Igor Melnichenko | 0.1 |
| 9763 | Retrascope Test Suite | Bug | Closed | Normal | missing javadoc headers in Java files of 'ru.ispras.retrascope.engine.hldd.printer.smv.spec.sample.vcegar' package | Sergey Smolov | Mikhail Lebedev | |
| 12607 | QEMU4V | Bug | New | Normal | missing log problem | Sergey Smolov | Sergey Smolov | |
| 7594 | Retrascope | Bug | Rejected | Normal | ModelSim shows error when TST file contains multiple comments | Sergey Smolov | Sergey Smolov | 0.2 |
| 9784 | Verilog Translator | Bug | Closed | Normal | mul_fifo.v: wrong Fortress-based node representation of assignment left-hand side | Sergey Smolov | Sergey Smolov | 0.1 |

| # | Project | Tracker | Status | Priority | Subject | Author | Assignee | Target version |
|---|---|---|---|---|---|---|---|---|
| 9276 | Verilog Translator | Bug | Rejected | Normal | no errors returned for bug-with-macro-containing module | Sergey Smolov | Alexander Kamkin | 0.1 |
| 4221 | Fortress | Bug | Closed | Normal | performConstant: public -> private | Sergey Smolov | Sergey Smolov | 0.2 |
| 9475 | Retrascope RISC-V Benchmark | Bug | Closed | Normal | Picorv32Hx8kdemoVerilogPrinterTestCase: ERROR: line 1:0 no viable alternative at input '(' | Sergey Smolov | Alexander Kamkin | |
| 6443 | Retrascope | Bug | Closed | Normal | print error message when "--toplevel" value is wrong | Sergey Smolov | Sergey Smolov | 0.1 |
| 8242 | Trace Matcher | Bug | Closed | Normal | print hexadecimal values to the output file in the same form as they were at input flies | Sergey Smolov | Sergey Smolov | 0.1 |
| 4464 | MicroTESK | Bug | Closed | Normal | [project] ошибки сборки проекта в Eclipse | Sergey Smolov | Andrei Tatarnikov | |
| 12249 | MicroTESK for PowerPC | Bug | New | Normal | qemu-system-ppc: failed to find romfile "efi-virtio.rom" | Sergey Smolov | Sergey Smolov | |
| 9816 | Retrascope IDE | Bug | New | Normal | Retrascope IDE does not appear in "Installed Software" menu | Sergey Smolov | | 0.1 |
| 5492 | Verilog Translator | Bug | Closed | Normal | retrascope + sapic.v = java.lang.IllegalStateException: Operand is not a constant integer value: 00000000000000000000000000000011 | Sergey Smolov | Alexander Kamkin | 0.1 |
| 9436 | MicroTESK | Bug | Closed | Normal | ru.ispras.microtesk.mmu.translator.GeneralTestCase: java.lang.IllegalArgumentException | Sergey Smolov | Alexander Kamkin | 2.5 |
| 9437 | MicroTESK | Bug | Closed | Normal | ru.ispras.microtesk.model.minimips.BufferPreparatorTestCase: QEMU4V crashes with general protection error on this test program | Sergey Smolov | Sergey Smolov | 2.4 |
| 9374 | MicroTESK for PowerPC | Bug | Closed | Normal | ru.ispras.microtesk.model.powerpc.autogen.BoundaryTestCase: Simulation failedThe CPR storage is not defined in the model.ru.ispras.microtesk.model.ConfigurationException: The CPR storage is not defined in the model. | Sergey Smolov | Alexander Protsenko | |
| 9375 | MicroTESK for PowerPC | Bug | Closed | Normal | ru.ispras.microtesk.model.powerpc.autogen.GroupTestCase: org.jruby.exceptions.RaiseException: (NoMethodError) undefined method `la' for #<GroupGenTemplate:0x6046f0da> | Sergey Smolov | Alexander Protsenko | |
| 9387 | MicroTESK for PowerPC | Bug | Closed | Normal | ru.ispras.microtesk.model.powerpc.InstructionBPUTestCase: ../microtesk-powerpc/build/test/instruction_bpu/instruction_bpu_0000.s:47: Error: operand out of range (0x0000000000002774 is not between 0x0000000000000000 and 0x000000000000001 | Sergey Smolov | Alexander Protsenko | |
| 9203 | Retrascope Test Suite | Bug | Closed | Normal | ru.ispras.retrascope.basis.HlddAssertSmvTestbenchBenchmarkTest.runTest: java.lang.IllegalArgumentException: 'benchmarks' field is not initialized. | Sergey Smolov | Mikhail Lebedev | |
| 3980 | Retrascope | Bug | Closed | Normal | ru.ispras.retrascope.cfg.lib.examples.FIFOExample.java compilation error | Sergey Smolov | Sergey Smolov | |
| 10266 | Retrascope | Bug | Closed | Normal | ru.ispras.retrascope.engine.hldd.printer.smv.HlddSmvPrinterTestCase.runTest: java.lang.NullPointerException | Sergey Smolov | Mikhail Lebedev | 1.1 |
| 10289 | Retrascope | Bug | Closed | Normal | ru.ispras.retrascope.engine.hldd.printer.smv.property.HlddPropertySmvPrinterTestCase.runTest: java.lang.OutOfMemoryError: Java heap space | Sergey Smolov | Mikhail Lebedev | 1.1 |
| 9071 | Retrascope Test Suite | Bug | Open | Normal | ru.ispras.retrascope.engine.hldd.printer.smv.Texas97HlddSmvPrinterTestCase.runTest: java.lang.IllegalArgumentException: Unknown operation 'FUNCTION' | Sergey Smolov | Mikhail Lebedev | |
| 9066 | Retrascope | Bug | Closed | Normal | ru.ispras.retrascope.engine.hldd.printer.smv.Texas97HlddSmvPrinterTestCase.runTest: java.lang.NullPointerException | Sergey Smolov | Sergey Smolov | 1.0 |

| # | Project | Tracker | Status | Priority | Subject | Author | Assignee | Target version |
|---|---|---|---|---|---|---|---|---|
| 9562 | Retrascope | Bug | Closed | Normal | ru.ispras.retrascope.engine.hldd.printer.smv.usedef.MemStageUseDefSmvPrinterTestCase: model checker crashes without errors in *.smvlog | Sergey Smolov | Mikhail Lebedev | 1.0 |
| 9309 | Retrascope Test Suite | Bug | Closed | Normal | ru.ispras.retrascope.engine.smv.testbench.sample.vcegar.VcegarPiBusAssertSmvTestbenchTestCase:line 2 column 34: invalid declaration, builtin symbol select | Sergey Smolov | Sergey Smolov | |
| 5778 | Retrascope | Bug | Closed | Normal | ru.ispras.retrascope.engine.testbench.TestVhdlTestbenchPrinterTestCase -> java.util.NoSuchElementException | Sergey Smolov | Igor Melnichenko | 0.1 |
| 9482 | Retrascope RISC-V Benchmark | Bug | Closed | Normal | ru.ispras.retrascope.sample.VexRiscvVexRiscvGaddTestCase: ERROR: Wrong number of out edges for 'ru.ispras.retrascope.model.cfg.CfgBlockStatement@c219bf5': 2 | Sergey Smolov | Sergey Smolov | |
| 5871 | Retrascope | Bug | Closed | Normal | ru.ispras.retrascope.test.printer.testbench -> ru.ispras.retrascope.engine.test.printer.testbench | Sergey Smolov | Igor Melnichenko | 0.1 |
| 9802 | Verilog Translator | Bug | Closed | Normal | ru.ispras.verilog.parser.sample.FuncTestCase: NullPointerException at ru.ispras.verilog.parser.elaborator.VerilogElaborator.createVariableAndBinding(VerilogElaborator.java:512) | Sergey Smolov | Alexander Kamkin | 0.1 |
| 9803 | Verilog Translator | Bug | Closed | Normal | ru.ispras.verilog.parser.sample.MulFifoTestCase: NullPointerException at ru.ispras.verilog.parser.elaborator.VerilogElaborator$1.getNode(VerilogElaborator.java:932) | Sergey Smolov | Alexander Kamkin | 0.1 |
| 9773 | Verilog Translator | Bug | Rejected | Normal | ru.ispras.verilog.parser.VerilogIeeeTestCase.runTest_10_04_03_1: ru.ispras.fortress.expression.NodeOperation cannot be cast to ru.ispras.fortress.expression.NodeValue | Sergey Smolov | Alexander Kamkin | 0.1 |
| 9775 | Verilog Translator | Bug | Closed | Normal | ru.ispras.verilog.parser.VerilogIeeeTestCase.runTest_10_04_04_1: Conversion = "' | Sergey Smolov | Alexander Kamkin | 0.1 |
| 9822 | Verilog Translator | Bug | Closed | Normal | ru.ispras.verilog.parser.VerilogIeeeTestCase.runTest_10_04_04_1: Starting points limit has been exhausted: 513 | Sergey Smolov | Sergey Smolov | 0.1 |
| 10131 | Verilog Translator | Bug | Closed | Normal | ru.ispras.verilog.parser.VerilogIwlsTestCase.runTest_iscas_s9234_1: java.lang.OutOfMemoryError: Java heap space | Sergey Smolov | Alexander Kamkin | 0.1 |
| 10241 | Verilog Translator | Bug | Closed | Normal | ru.ispras.verilog.parser.VerilogQuipTestSuite#runTest_dctub_jpeg: ERROR: ..\src\test\verilog\hdl-benchmarks\hdl\quip\oc_video_compression_systems_jpeg\dct_cos_table.v line 1:70 mismatched character '\r' expecting '\n' | Sergey Smolov | Alexander Kamkin | 0.1 |
| 10214 | Verilog Translator | Bug | Rejected | Normal | ru.ispras.verilog.parser.VerilogQuipTestSuite#runTest_nut_000: nut_000_lut.v line 7:0 no viable alternative at input 'module' | Sergey Smolov | Sergey Smolov | 0.1 |
| 10246 | Verilog Translator | Bug | Rejected | Normal | ru.ispras.verilog.parser.VerilogQuipTestSuite#runTest_nut_001: ERROR: Module 'lut_output' has not been found | Sergey Smolov | Alexander Kamkin | 0.1 |
| 10245 | Verilog Translator | Bug | Closed | Normal | ru.ispras.verilog.parser.VerilogQuipTestSuite#runTest_pci_wbw_wbr_fifos: ERROR: [Internal] null | Sergey Smolov | Alexey Danilov | 0.1 |
| 9848 | Verilog Translator | Bug | Closed | Normal | ru.ispras.verilog.parser.VerilogVisVerilog2SmvTestCase.runTest_Pci_Bus_Verilog_Mv_files_PciNorm: Function declaration '$ND' has not been found | Sergey Smolov | Sergey Smolov | 0.1 |
| 5547 | Retrascope IDE | Bug | New | Normal | save Retrascope result not to ECLIPSE_HOME folder | Sergey Smolov | | 0.1 |
| 4797 | Fortress | Bug | Closed | Normal | [solver] NullPointerException when solver is not found | Sergey Smolov | Andrei Tatarnikov | 0.3 |
| 5162 | Fortress | Bug | Closed | Normal | [solver] ReductionCustomOperationsTestCase -> java.lang.AssertionError | Sergey Smolov | Andrei Tatarnikov | 0.3 |

| # | Project | Tracker | Status | Priority | Subject | Author | Assignee | Target version |
|---|---|---|---|---|---|---|---|---|
| 6362 | Retrascope | Bug | Rejected | Normal | src/test/verilog/adder/adder4_testbench.v: wrong CFG model | Sergey Smolov | Mikhail Chupilko | 0.1 |
| 7098 | Verilog Translator | Bug | Closed | Normal | src/test/verilog/mips16/data_mem.v: 'mem_access_addr' has null declaration | Sergey Smolov | Sergey Smolov | 0.1 |
| 6365 | Retrascope | Bug | Closed | Normal | src/test/vhdl/example/example.vhd: IllegalArgumentException | Sergey Smolov | Mikhail Lebedev | 0.1 |
| 6366 | Retrascope | Bug | Rejected | Normal | src/test/vhdl/example/test.vhd: Efsm.UNINITIALISED_STATE isn't supported yet | Sergey Smolov | Igor Melnichenko | 0.2 |
| 10094 | MicroTESK | Bug | Closed | Normal | strange common code at LinkerScript.stg | Sergey Smolov | Alexander Kamkin | 2.5 |
| 10502 | Verilog Translator | Bug | New | Normal | subbytes.v line 76:13 no viable alternative at input '[' | Sergey Smolov | Alexander Kamkin | 0.1 |
| 6892 | Retrascope | Bug | Closed | Normal | support for non-zero starting bitvectors | Sergey Smolov | Sergey Smolov | 0.2 |
| 10202 | Verilog Translator | Bug | Closed | Normal | SVA grammar warnings via assembling | Sergey Smolov | Mikhail Lebedev | 0.1 |
| 10121 | MicroTESK | Bug | Open | Normal | technical output printing at 'compile.sh' script running with '--help' option | Sergey Smolov | Alexander Kamkin | 2.6 |
| 8848 | Verilog Translator | Bug | Closed | Normal | test_07_08_00_1.v: Module 'pullup' cannot be found | Sergey Smolov | Alexander Kamkin | 0.1 |
| 8847 | Verilog Translator | Bug | Closed | Normal | test_17_01_01_2_1.v:  Module 'pulldown' cannot be found | Sergey Smolov | Alexander Kamkin | 0.1 |
| 8846 | Verilog Translator | Bug | Closed | Normal | test_19_04_00_3.v:  Module 'real_last' cannot be found | Sergey Smolov | Alexander Kamkin | 0.1 |
| 5443 | Retrascope | Bug | Closed | Normal | [test][engine][media] TestVhdlTestbenchPrinterTestCase -> java.lang.RuntimeException: The exception has occurred while printing test pattern file | Sergey Smolov | Igor Melnichenko | 0.1 |
| 5709 | Retrascope | Bug | Closed | Normal | TestMinimiser.java:43: warning - @param argument "test" is not a parameter name. | Sergey Smolov | Igor Melnichenko | 0.1 |
| 5827 | Retrascope | Bug | Closed | Normal | TestVhdlTestbenchPrinterDummyTestCase -> NoSuchFileException | Sergey Smolov | Igor Melnichenko | 0.1 |
| 5828 | Retrascope | Bug | Closed | Normal | TestVhdlTestbenchPrinterVhdlTestCase -> IllegalArgumentException: Unexpected event value: true | Sergey Smolov | Igor Melnichenko | 0.1 |
| 6280 | Retrascope | Bug | Closed | Normal | TestVhdlTestbenchPrinterVhdlTestCase: The exception has occurred while printing test pattern file | Sergey Smolov | Igor Melnichenko | 0.1 |
| 6279 | Retrascope | Bug | Closed | Normal | TestXmlPrinterTestCase: IllegalArgumentException: Output file name isn't specified | Sergey Smolov | Igor Melnichenko | 0.1 |
| 9010 | Retrascope Test Suite | Bug | Closed | Normal | Texas97CacheCoherenceVerilogPrinterTestCase: java.lang.IllegalArgumentException | Sergey Smolov | Sergey Smolov | |
| 9011 | Retrascope Test Suite | Bug | Closed | Normal | Texas97IFetchVerilogPrinterTestCase: java.lang.IndexOutOfBoundsException: 4294967283 is out of bounds. | Sergey Smolov | Sergey Smolov | |
| 9172 | Retrascope Test Suite | Bug | Closed | Normal | Texas97ParsepackCfgGraphMlTestCase: ru.ispras.retrascope.basis.exception.RetrascopeException: Wrong range: 0 < 0 or 7 > 1. | Sergey Smolov | Sergey Smolov | |
| 9175 | Retrascope Test Suite | Bug | Closed | Normal | Texas97PdlxCfgGraphMlTestCase: NullPointerException | Sergey Smolov | Sergey Smolov | |
| 9334 | QEMU4V | Bug | Closed | Normal | timestamp reset at MIPS trace | Sergey Smolov | Sergey Smolov | 0.2 |

| # | Project | Tracker | Status | Priority | Subject | Author | Assignee | Target version |
|---|---|---|---|---|---|---|---|---|
| 10819 | MicroTESK for PowerPC | Bug | New | Normal | Trace Matcher crashes on QEMU4V empty trace | Sergey Smolov | Sergey Smolov | |
| 7555 | Fortress | Bug | Closed | Normal | unable to create constraint-related jUnit tests including unused variables | Sergey Smolov | Artem Kotsynyak | 0.4 |
| 9333 | QEMU4V | Bug | Closed | Normal | unexpected hex value in MIPS trace | Sergey Smolov | Sergey Smolov | 0.2 |
| 5003 | Retrascope | Bug | Rejected | Normal | [util] XmlUtilTest.java: java.lang.RuntimeException: An error occured while trying to resolve a constraint. | Sergey Smolov | Igor Melnichenko | 0.1 |
| 5005 | Retrascope | Bug | Closed | Normal | [util] XmlUtilTest: java.lang.AssertionError | Sergey Smolov | Igor Melnichenko | 0.1 |
| 8831 | Verilog Translator | Bug | Closed | Normal | vcegar-benchmarks/ipbdp/ipbdp_hier.v: java.lang.IllegalArgumentException: Bit vector sizes do not match: 4 != 32. | Sergey Smolov | Alexander Kamkin | 0.1 |
| 9176 | Retrascope Test Suite | Bug | Closed | Normal | VcegarHlddSmvPrinterTestCase: java.lang.IllegalArgumentException: Unknown operation 'BVSDIV' | Sergey Smolov | Mikhail Lebedev | |
| 8849 | Verilog Translator | Bug | Closed | Normal | VerilogIeeeTestCase.runTest_04_10_01_1 [floating point parameters]: java.lang.IllegalArgumentException | Sergey Smolov | Alexander Kamkin | 0.1 |
| 8850 | Verilog Translator | Bug | Closed | Normal | VerilogIeeeTestCase.runTest_05_01_14_1: java.lang.NullPointerException | Sergey Smolov | Alexander Kamkin | 0.1 |
| 8851 | Verilog Translator | Bug | Closed | Normal | VerilogIeeeTestCase.runTest_05_01_14_3: java.lang.IllegalArgumentException: 0 must be > 0 | Sergey Smolov | Alexander Kamkin | 0.1 |
| 8852 | Verilog Translator | Bug | Closed | Normal | VerilogIeeeTestCase.runTest_05_01_14_4: java.lang.NullPointerException | Sergey Smolov | Alexander Kamkin | 0.1 |
| 8853 | Verilog Translator | Bug | Closed | Normal | VerilogIeeeTestCase.runTest_05_02_01_2: java.lang.IllegalArgumentException | Sergey Smolov | Alexander Kamkin | 0.1 |
| 8854 | Verilog Translator | Bug | Closed | Normal | VerilogIeeeTestCase.runTest_05_02_02_2: java.lang.NullPointerException | Sergey Smolov | Alexander Kamkin | 0.1 |
| 8855 | Verilog Translator | Bug | Closed | Normal | VerilogIeeeTestCase.runTest_10_03_00_5: java.lang.IllegalArgumentException | Sergey Smolov | Alexander Kamkin | 0.1 |
| 8856 | Verilog Translator | Bug | Closed | Normal | VerilogIeeeTestCase.runTest_10_04_05_1: java.lang.IllegalArgumentException | Sergey Smolov | Alexander Kamkin | 0.1 |
| 8857 | Verilog Translator | Bug | Closed | Normal | VerilogIeeeTestCase.runTest_12_02_02_2_1: java.lang.NullPointerException | Sergey Smolov | Alexander Kamkin | 0.1 |
| 8858 | Verilog Translator | Bug | Closed | Normal | VerilogIeeeTestCase.runTest_12_04_01_2: java.lang.IllegalStateException: Parameter is not a value: (BVZEROEXT 2147483646 i) | Sergey Smolov | Alexander Kamkin | 0.1 |
| 8859 | Verilog Translator | Bug | Closed | Normal | VerilogIeeeTestCase.runTest_12_04_02_3: java.lang.NullPointerException | Sergey Smolov | Alexander Kamkin | 0.1 |
| 8860 | Verilog Translator | Bug | Closed | Normal | VerilogIeeeTestCase.runTest_12_04_02_4: java.lang.NullPointerException | Sergey Smolov | Alexander Kamkin | 0.1 |
| 8861 | Verilog Translator | Bug | Closed | Normal | VerilogIeeeTestCase.runTest_12_04_03_1: java.lang.IllegalStateException: BigInteger data is not convertible to Boolean. | Sergey Smolov | Alexander Kamkin | 0.1 |
| 8862 | Verilog Translator | Bug | Closed | Normal | VerilogIeeeTestCase.runTest_12_08_02_1: java.lang.IllegalArgumentException | Sergey Smolov | Alexander Kamkin | 0.1 |

| # | Project | Tracker | Status | Priority | Subject | Author | Assignee | Target version |
|---|---|---|---|---|---|---|---|---|
| 8863 | Verilog Translator | Bug | Closed | Normal | VerilogIeeeTestCase.runTest_17_02_04_4_1: java.lang.IllegalArgumentException | Sergey Smolov | Alexander Kamkin | 0.1 |
| 8864 | Verilog Translator | Bug | Closed | Normal | VerilogIeeeTestCase.runTest_17_10_02_1_i: java.lang.IllegalArgumentException | Sergey Smolov | Alexander Kamkin | 0.1 |
| 8865 | Verilog Translator | Bug | Closed | Normal | VerilogIeeeTestCase.runTest_19_11_00_1: java.lang.IllegalArgumentException: Declaration=DECLARATION(), parent=MODULE(m2) | Sergey Smolov | Alexander Kamkin | 0.1 |
| 8832 | Verilog Translator | Bug | Closed | Normal | verilog/opencores/mips16/IF_stage.v: java.lang.IllegalStateException: Parameter is not a value: (BVSUB 8 1) | Sergey Smolov | Alexander Kamkin | 0.1 |
| 5404 | Retrascope | Bug | Closed | Normal | [verilog][parser][cfg] java.lang.IllegalArgumentException: Unsupported data type: UNKNOWN | Sergey Smolov | Alexander Kamkin | 0.1 |
| 3605 | Retrascope | Bug | Rejected | Normal | [vhdl][parser][cfg] Zamia не обрабатывает пакеты функций | Sergey Smolov | Sergey Smolov | 0.1 |
| 9012 | Retrascope Test Suite | Bug | Closed | Normal | VisBufferAllocVerilogPrinterTestCase: java.lang.IllegalArgumentException | Sergey Smolov | | |
| 10031 | MicroTESK for PowerPC | Bug | New | Normal | WARNING: An illegal reflective access operation has occurred | Sergey Smolov | Alexander Protsenko | 0.0 |
| 9892 | MicroTESK for RISC-V | Bug | Closed | Normal | WARNING: An illegal reflective access operation has occurred | Sergey Smolov | Alexander Protsenko | 0.1 |
| 2494 | CTESK | Bug | New | Normal | warning at build log | Sergey Smolov | Alexey Demakov | |
| 9376 | MicroTESK for MIPS | Bug | New | Normal | Warning: Group MIPS64FpuOp contains two items add_fmt and mfc1 with the same opcode 01000100000000000000000000000000 | Sergey Smolov | Alexander Kamkin | |
| 10082 | Retrascope | Bug | New | Normal | WARNING: Illegal reflective access by org.python.core.PySystemState | Sergey Smolov | Sergey Smolov | 1.1 |
| 10041 | QEMU4V | Bug | Closed | Normal | wrong names for PowerPC registers in trace | Sergey Smolov | Sergey Smolov | 0.3 |
| 6293 | Retrascope | Bug | Closed | Normal | XmlTestParserTestCase: NoSuchMethodException | Sergey Smolov | Igor Melnichenko | 0.1 |
| 8283 | Retrascope | Bug | Closed | Normal | "X <= (others => '0')" should be translated properly when X is bit vector | Sergey Smolov | Sergey Smolov | 0.2 |
| 6106 | MicroTESK | Bug | Closed | Normal | zero opcodes for instructions in Tarmac log | Sergey Smolov | Andrei Tatarnikov | 2.2 |
| 4358 | Retrascope | Bug | Closed | Normal | Внести исправления в представление CGA и методы их извлечения | Sergey Smolov | Sergey Smolov | |
| 3757 | C++TESK Development Environment | Bug | Closed | Normal | Добавить jar-ник SWT  в проект com.unitesk.cpptesk.ide.mapper | Sergey Smolov | Sergey Smolov | |
| 4004 | C++TESK Testing ToolKit | Bug | Closed | Normal | Из build'а пропал скрипт install-eclipse-plugin.sh | Sergey Smolov | Sergey Smolov | 1.0 |
| 3528 | Local Support Project | Bug | Closed | Normal | Не отображается полный адрес svn-репозиториев | Sergey Smolov | Alexey Demakov | |
| 4991 | Retrascope IDE | Bug | Closed | Normal | Не передается путь к HDL-описанию | Sergey Smolov | Alexander Kamkin | |
| 3805 | C++TESK Testing ToolKit | Bug | Closed | Normal | Ошибка в QuickReference | Sergey Smolov | Sergey Smolov | |
| 3717 | C++TESK Development Environment | Bug | Closed | Normal | Переименовать com.unitesk.cpptesk.ide.prototype.presentations в com.unitesk.cpptesk.ide.prototype.ir | Sergey Smolov | Sergey Smolov | |

| # | Project | Tracker | Status | Priority | Subject | Author | Assignee | Target version |
|---|---|---|---|---|---|---|---|---|
| 3565 | Local Support Project | Bug | Closed | Normal | Перестали приходить уведомления на почту об изменениях в проектах | Sergey Smolov | Alexey Demakov | |
| 6394 | Local Support Project | Bug | New | Normal | Проект HDL Retrascope: на 17-дюймовом мониторе не масштабируется таблица Задачи | Sergey Smolov | Alexey Demakov | |
| 5385 | Java SoftFloat | Bug | Closed | Normal | Странная структура директорий проекта | Sergey Smolov | Alexander Kamkin | |
| 4005 | C++TESK Testing ToolKit | Bug | Rejected | Normal | удалить пустой README | Sergey Smolov | asd ert | 1.0 |
| 5684 | Retrascope | Bug | Rejected | Low | computeExpression -> LOGIC_BOOLEAN vs (MAP LOGIC_INTEGER LOGIC_BOOLEAN) | Sergey Smolov | Igor Melnichenko | 0.2 |
| 9901 | Retrascope Test Suite | Bug | New | Low | initializationError in some tests after Jenkins update | Sergey Smolov | Mikhail Lebedev | |
| 9123 | Fortress | Feature | Closed | High | calculate DataType for 'BVEXTRACT(i, i, x)' NodeOperation objects | Sergey Smolov | Sergey Smolov | 0.4 |
| 9247 | Retrascope | Feature | Open | High | CFG-to-C printer | Sergey Smolov | Sergey Smolov | 1.2 |
| 9990 | Verilog Translator | Feature | Closed | High | check for variable/net redeclarations | Sergey Smolov | Alexey Danilov | 0.1 |
| 8874 | Verilog Translator | Feature | Closed | High | mapping from instance variables to their code entries | Sergey Smolov | Alexander Kamkin | 0.1 |
| 8665 | Fortress | Feature | Closed | High | Nodes.BVEXTRACT(Node, Node, Node) convenience method | Sergey Smolov | Andrei Tatarnikov | 0.4 |
| 9227 | Retrascope | Feature | Closed | High | support for 'BVEXTRACT(x y (SELECT z w))' constructions in left hand sides of assigments | Sergey Smolov | Sergey Smolov | 1.0 |
| 10060 | Retrascope | Feature | Closed | High | Support SVA properties in CFG model | Sergey Smolov | Sergey Smolov | 1.2 |
| 8282 | Retrascope | Feature | Closed | Normal | apply SLV detection heuristic to more than one CGAA path | Sergey Smolov | Sergey Smolov | 0.2 |
| 9050 | QEMU4V | Feature | Closed | Normal | basic support for i386 emulation | Sergey Smolov | Sergey Smolov | |
| 9079 | QEMU4V | Feature | Closed | Normal | basic support for MIPS32 | Sergey Smolov | Sergey Smolov | 0.2 |
| 9049 | QEMU4V | Feature | Closed | Normal | basic support for MIPS64 emulation | Sergey Smolov | Sergey Smolov | 0.2 |
| 9051 | QEMU4V | Feature | Closed | Normal | basic support for PowerPC emulation | Sergey Smolov | Sergey Smolov | 0.3 |
| 10100 | Trace Matcher | Feature | Resolved | Normal | "--boot-size <num>" command line option | Sergey Smolov | Sergey Smolov | 0.1 |
| 8203 | Fortress | Feature | Closed | Normal | bv2nat\int2bv operations | Sergey Smolov | Sergey Smolov | 0.4 |
| 8220 | Retrascope | Feature | Closed | Normal | BV_INC6 VHDL function support | Sergey Smolov | Sergey Smolov | 0.2 |
| 9335 | Retrascope | Feature | Closed | Normal | cgaa-assert-extractor engine | Sergey Smolov | Mikhail Lebedev | 1.0 |
| 9281 | Retrascope | Feature | Closed | Normal | cmdline option that specifies clock variable for CGAA model | Sergey Smolov | Sergey Smolov | 1.0 |
| 10116 | Retrascope | Feature | Closed | Normal | command line option to check if solvers\model checkers that are used are installed properly | Sergey Smolov | Sergey Smolov | 1.1 |
| 8206 | Trace Matcher | Feature | Closed | Normal | "--debug" command line option | Sergey Smolov | Sergey Smolov | 0.1 |
| 9446 | Retrascope | Feature | Closed | Normal | Debug output file for engines and their backends | Sergey Smolov | Sergey Smolov | 1.0 |
| 10125 | Retrascope | Feature | Closed | Normal | '--detailed' option for efsm-graphml-printer engine | Sergey Smolov | Sergey Smolov | 1.1 |
| 9264 | Retrascope | Feature | Closed | Normal | '--disable-backends' cmdline option for HDL parser engine | Sergey Smolov | Sergey Smolov | 1.0 |

| # | Project | Tracker | Status | Priority | Subject | Author | Assignee | Target version |
|---|---|---|---|---|---|---|---|---|
| 8305 | Retrascope | Feature | Closed | Normal | EFSM state limit | Sergey Smolov | Sergey Smolov | 0.2 |
| 9149 | Retrascope | Feature | Closed | Normal | elaborate ranged assignments for bitvector target variables | Sergey Smolov | Sergey Smolov | 1.0 |
| 9474 | Retrascope | Feature | Closed | Normal | enable\disable backend parameters for all the engines | Sergey Smolov | Sergey Smolov | 1.0 |
| 8198 | Trace Matcher | Feature | Closed | Normal | "exit-on-first-divergence" command line option | Sergey Smolov | Sergey Smolov | 0.1 |
| 9769 | Retrascope | Feature | Closed | Normal | GraphML printers: make branch values italic | Sergey Smolov | Sergey Smolov | 1.0 |
| 9767 | Retrascope | Feature | Closed | Normal | GraphML printers: use dotted arrows for Module->(Module\| Process) hierarchy dependencies | Sergey Smolov | Sergey Smolov | 1.0 |
| 9468 | Retrascope | Feature | Closed | Normal | HDL parser backend that removes 'initial' processes | Sergey Smolov | Sergey Smolov | 1.0 |
| 9486 | Retrascope | Feature | Closed | Normal | HDL parser's init_process backend: calculate initial values if possible | Sergey Smolov | Sergey Smolov | 1.0 |
| 8199 | Trace Matcher | Feature | Closed | Normal | "ignore-the-rest" command line option | Sergey Smolov | Sergey Smolov | 0.1 |
| 8868 | QEMU4V | Feature | Closed | Normal | implement tracer that is activated by "-trace-log" command line option | Sergey Smolov | Sergey Smolov | |
| 8587 | MicroTESK | Feature | New | Normal | ISA subsets | Sergey Smolov | Artem Kotsynyak | 2.6 |
| 8197 | Trace Matcher | Feature | Closed | Normal | "matching window in ticks" command line option | Sergey Smolov | Sergey Smolov | 0.1 |
| 8615 | Retrascope | Feature | Closed | Normal | "--no-backends" command line option | Sergey Smolov | Sergey Smolov | 1.0 |
| 8667 | Fortress | Feature | Closed | Normal | Nodes.EQ(Node ... nodes) convenience method | Sergey Smolov | Andrei Tatarnikov | 0.4 |
| 10112 | Retrascope | Feature | Closed | Normal | '--no-phase' command line option for 'cfg-gadd-transformer' engine | Sergey Smolov | Sergey Smolov | 1.1 |
| 9457 | Retrascope | Feature | Closed | Normal | one more auxiliary path in GADD model for terminal endings | Sergey Smolov | Sergey Smolov | 1.0 |
| 10074 | MicroTESK | Feature | New | Normal | option that stores boot obj at the generated ld script | Sergey Smolov | Alexander Kamkin | 2.6 |
| 8262 | Retrascope | Feature | Closed | Normal | phase variable based approach for CFG-CGAA-EFSM optimisation | Sergey Smolov | Sergey Smolov | 0.2 |
| 8871 | QEMU4V | Feature | Closed | Normal | "-print-pte-addr" cmdline option | Sergey Smolov | Sergey Smolov | |
| 8709 | Fortress | Feature | Closed | Normal | 'public static boolean isOperation(final Node node, final T ... opTypes)' convenience method | Sergey Smolov | Andrei Tatarnikov | 0.4 |
| 8703 | Fortress | Feature | Closed | Normal | 'public static boolean isType(final Node node, final DataType ... types)' convenience method | Sergey Smolov | Andrei Tatarnikov | 0.4 |
| 8702 | Fortress | Feature | Closed | Normal | 'public static NodeValue.newBitVector(final boolean value)' convenience method | Sergey Smolov | Andrei Tatarnikov | 0.4 |
| 10015 | Trace Matcher | Feature | Closed | Normal | Report an error when input file is empty | Sergey Smolov | Sergey Smolov | 0.1 |
| 8433 | Trace Matcher | Feature | Closed | Normal | "--skip-equal" command line option | Sergey Smolov | Sergey Smolov | 0.1 |
| 8304 | Retrascope | Feature | Rejected | Normal | SLR values number limit | Sergey Smolov | Sergey Smolov | 0.2 |
| 8204 | Fortress | Feature | Closed | Normal | solver-specific header for generated SMT2 files | Sergey Smolov | Sergey Smolov | 0.4 |
| 10099 | Trace Matcher | Feature | Resolved | Normal | "--start-addr <hex value>" command line option | Sergey Smolov | Sergey Smolov | 0.1 |
| 9039 | Retrascope | Feature | Closed | Normal | Support for designs that assign to variable more than once | Sergey Smolov | Sergey Smolov | 1.0 |
| 10290 | Verilog Translator | Feature | New | Normal | SystemVerilog support | Sergey Smolov | | |
| 10287 | Retrascope | Feature | Closed | Normal | TestModel: keep top level module name & variables | Sergey Smolov | Sergey Smolov | 1.1 |
| 8869 | QEMU4V | Feature | Closed | Normal | trace generation for Aarch64 programs | Sergey Smolov | Sergey Smolov | |
| 8866 | QEMU4V | Feature | Closed | Normal | trace generation for MIPS programs | Sergey Smolov | Maxim Chudnov | 0.2 |

| # | Project | Tracker | Status | Priority | Subject | Author | Assignee | Target version |
|---|---|---|---|---|---|---|---|---|
| 8867 | QEMU4V | Feature | Closed | Normal | trace generation for PowerPC (32bit) programs | Sergey Smolov | Maxim Chudnov | 0.3 |
| 8870 | QEMU4V | Feature | Closed | Normal | trace generation for RISC-V programs | Sergey Smolov | Sergey Smolov | |
| 10238 | Retrascope | Feature | Closed | Normal | VerilogParser: '--library-file' cmdline option | Sergey Smolov | Sergey Smolov | 1.1 |
| 10115 | Retrascope | Feature | Closed | Normal | '--version' command line option | Sergey Smolov | Sergey Smolov | 1.1 |
| 8260 | Retrascope | Feature | Closed | Normal | VHDL record support (non-aggregate case) | Sergey Smolov | Maxim Chudnov | 1.0 |
| 9503 | Retrascope | Feature | Closed | Normal | when debug option is enabled, pass it to the model checker as well | Sergey Smolov | Mikhail Lebedev | 1.0 |
| 9041 | Retrascope | Feature | Closed | Normal | when model checker returns an error, print it's log to the Retrascope output | Sergey Smolov | Mikhail Lebedev | 1.0 |
| 10088 | QEMU4V | Feature | New | Low | QEMU4V formatted traces for x86 programs | Sergey Smolov | | |
| 6537 | Retrascope | Developer Request | Closed | Normal | Efsm: collection of resetting guarded actions | Sergey Smolov | Igor Melnichenko | 0.1 |
| 5580 | Retrascope | Developer Request | Closed | Normal | [efsm][conflict][extractor][jaxb] can GuardedAction() call at the JaxbGuardedActionAdapter be substituted by something else | Sergey Smolov | Mikhail Lebedev | 0.1 |
| 12038 | MicroTESK for Plasma | Developer Request | Resolved | Normal | обновление плагина PMD в Gradle | Sergey Smolov | Alexander Protsenko | |
| 3979 | Retrascope | Developer Request | Closed | Normal | Реструктурирование проекта | Sergey Smolov | Sergey Smolov | |
| 3756 | C++TESK Development Environment | Task | New | Immediate | Генерация C++ кода для модели сообщений | Sergey Smolov | | |
| 6367 | Retrascope | Task | Closed | Urgent | Fortress expressions printing in an SMV format | Sergey Smolov | Mikhail Lebedev | 0.1 |
| 9911 | Retrascope | Task | Closed | Urgent | merge "*/sample/*TestCase" Java test cases | Sergey Smolov | Maxim Chudnov | 1.1 |
| 9670 | Retrascope Test Suite | Task | New | High | add 'ar.v' module to the test suite when SVA support will be implemented | Sergey Smolov | Sergey Smolov | |
| 5249 | Retrascope | Task | Closed | High | [basis] Настройка Retrascope для работы с SMT-решателями | Sergey Smolov | Alexander Kamkin | 0.1 |
| 5258 | Retrascope | Task | Closed | High | [basis] Обработка циклических зависимостей разных Engine | Sergey Smolov | Alexander Kamkin | 0.1 |
| 9251 | Verilog Translator | Task | Closed | High | calculate type of index for bit-vector arrays | Sergey Smolov | Alexander Kamkin | 0.1 |
| 6456 | Retrascope | Task | Closed | High | CFG model as hirerarchical list of statements | Sergey Smolov | Sergey Smolov | 0.1 |
| 9248 | Retrascope | Task | Closed | High | CFG model process should not have it's own internal variables | Sergey Smolov | Sergey Smolov | 1.0 |
| 5394 | Retrascope | Task | Closed | High | [cgaa][transformer][efsm] реализовать построение переходов EFSM | Sergey Smolov | Sergey Smolov | 0.1 |
| 9242 | Retrascope | Task | Closed | High | check BVEXTRACT operation's parameter order | Sergey Smolov | Sergey Smolov | 1.0 |
| 3957 | Retrascope | Task | Closed | High | DFG to EFSM | Sergey Smolov | Sergey Smolov | |
| 5541 | Retrascope | Task | Closed | High | [engine][printer][smv] move engine.printer.smv package to sandbox | Sergey Smolov | Mikhail Lebedev | 0.1 |
| 6282 | Retrascope | Task | Closed | High | finish AstSmvVisitor & CfgAstVisitor merge | Sergey Smolov | Mikhail Lebedev | 0.1 |
| 10073 | Retrascope | Task | Closed | High | fix checkstyle warnings | Sergey Smolov | Maxim Chudnov | 1.1 |

| # | Project | Tracker | Status | Priority | Subject | Author | Assignee | Target version |
|---|---|---|---|---|---|---|---|---|
| 10139 | Retrascope | Task | Closed | High | fix coding issues at *BenchTest classes | Sergey Smolov | Maxim Chudnov | 1.1 |
| 6490 | Retrascope | Task | Closed | High | Gradle task & cmdline scripts for running the tool from terminal | Sergey Smolov | Sergey Smolov | 0.1 |
| 5689 | Retrascope | Task | Closed | High | implement test-to-Verilog printer | Sergey Smolov | Sergey Smolov | 0.2 |
| 6483 | Retrascope | Task | Closed | High | keep related clock-like variables for top-level containers of EFSM assertions | Sergey Smolov | Sergey Smolov | 0.1 |
| 9811 | Verilog Translator | Task | Closed | High | macro with parameters | Sergey Smolov | Alexey Danilov | 0.2 |
| 9764 | Retrascope IDE | Task | New | High | migrate to Eclipse 2019 | Sergey Smolov | | 0.1 |
| 5413 | Retrascope | Task | Closed | High | [model][basis] add HdlType field to VariableData class | Sergey Smolov | Sergey Smolov | 0.1 |
| 9277 | Retrascope | Task | Closed | High | mv clock-like variable detection to CFG-to-CGAA transformer | Sergey Smolov | Sergey Smolov | 1.0 |
| 5985 | Fortress | Task | Closed | High | Node ExprUtils.getEquation(Node target, Node value) | Sergey Smolov | Andrei Tatarnikov | 0.4 |
| 5802 | Fortress | Task | Closed | High | NodeValue newZero(DataType dataType) | Sergey Smolov | Andrei Tatarnikov | 0.3 |
| 6050 | Retrascope | Task | Closed | High | Path to testbench directory as command-line parameter | Sergey Smolov | Igor Melnichenko | 0.1 |
| 9762 | Retrascope | Task | Closed | High | prepare to 1.1.1 release | Sergey Smolov | Sergey Smolov | 1.0 |
| 9232 | Verilog Translator | Task | Closed | High | remove typedefs from texas97-tests/PPC60X_bus/src/define.v | Sergey Smolov | Mikhail Lebedev | 0.1 |
| 9766 | Retrascope | Task | Closed | High | remove 'vhdl.record' Git branch from remote repo | Sergey Smolov | Maxim Chudnov | 1.0 |
| 4713 | Fortress | Task | New | High | SMT-LIB structures | Sergey Smolov | Artem Kotsynyak | 0.4 |
| 7104 | Retrascope | Task | Closed | High | smv-test-parser: filter tests | Sergey Smolov | Sergey Smolov | 0.2 |
| 5464 | Fortress | Task | Closed | High | [solver] boolean expressions casting into bit vectors | Sergey Smolov | Andrei Tatarnikov | 0.3 |
| 5466 | Fortress | Task | Closed | High | [solver] print the input constraint when solver returns ERROR/UNKNOWN verdict | Sergey Smolov | Andrei Tatarnikov | 0.3 |
| 3654 | C++TESK Development Environment | Task | Closed | High | source code refactoring | Sergey Smolov | Sergey Smolov | |
| 6808 | Retrascope | Task | Rejected | High | Split CFG processes into independent parts | Sergey Smolov | Sergey Smolov | 0.2 |
| 5600 | Fortress | Task | Closed | High | [transformer][ruleset] implement ITE rules | Sergey Smolov | Artem Kotsynyak | 0.3 |
| 5424 | Fortress | Task | Closed | High | [transformer][ruleset] дополнительные правила стандартизации | Sergey Smolov | Artem Kotsynyak | 0.3 |
| 5419 | Fortress | Task | Closed | High | [transformer][ruleset] реализовать правило expr==false -> NOT(expr == true) | Sergey Smolov | Artem Kotsynyak | 0.3 |
| 5447 | Fortress | Task | Closed | High | [transformer][ruleset] стандартизация константных выражений вида "x EQ y" | Sergey Smolov | Artem Kotsynyak | 0.3 |
| 5229 | Fortress | Task | Closed | High | [transformer] Упрощение выражений с LOGIC_BOOLEAN | Sergey Smolov | Artem Kotsynyak | 0.3 |
| 9311 | Verilog Translator | Task | Closed | High | type casting of expression operands | Sergey Smolov | Sergey Smolov | 0.1 |
| 7772 | Fortress | Task | Closed | High | TypeConversion.coerce: transform from MAP to BIT_VECTOR | Sergey Smolov | Sergey Smolov | 0.4 |
| 4133 | Fortress | Task | Closed | Normal | ABS, MAX, MIN для Logic-типов | Sergey Smolov | Sergey Smolov | 0.1 |
| 4807 | Retrascope | Task | Closed | Normal | Action as interface for BasicBlock, Assertion, Situation | Sergey Smolov | Sergey Smolov | |

| # | Project | Tracker | Status | Priority | Subject | Author | Assignee | Target version |
|---|---|---|---|---|---|---|---|---|
| 9235 | Retrascope Test Suite | Task | Closed | Normal | adapt JUnit components to new interface of ToolTest class | Sergey Smolov | Mikhail Lebedev | |
| 5504 | Retrascope | Task | New | Normal | add channels between EFSMs | Sergey Smolov | Mikhail Lebedev | 1.2 |
| 9964 | Retrascope | Task | Closed | Normal | add HDL examples to project distribution | Sergey Smolov | Sergey Smolov | 1.1 |
| 9904 | Verilog Translator | Task | Closed | Normal | add info for "--library-file" cmdline option | Sergey Smolov | Alexander Kamkin | 0.1 |
| 9606 | Retrascope Test Suite | Task | Closed | Normal | add IWLS 2005 benchmark | Sergey Smolov | Sergey Smolov | |
| 7271 | Retrascope | Task | Closed | Normal | add javadoc for new methods when efsm.state.abstraction branch will be merged into master | Sergey Smolov | Sergey Smolov | 0.2 |
| 6060 | Retrascope | Task | Closed | Normal | Add plasma to project test suite | Sergey Smolov | Sergey Smolov | 0.2 |
| 9607 | Retrascope Test Suite | Task | Closed | Normal | add QUIP 9.0 benchmark | Sergey Smolov | Sergey Smolov | |
| 9206 | Verilog Translator | Task | Closed | Normal | add Texas97 benchmark to project test suite | Sergey Smolov | Sergey Smolov | 0.1 |
| 9207 | Verilog Translator | Task | Closed | Normal | add VCEGAR benchmark to project test suite | Sergey Smolov | Sergey Smolov | 0.1 |
| 9208 | Verilog Translator | Task | Closed | Normal | add Verilog2Smv\VIS benchmark to project test suite | Sergey Smolov | Sergey Smolov | 0.1 |
| 8293 | Retrascope | Task | Closed | Normal | add VeriTrans & Fortress info to NOTICE | Sergey Smolov | Sergey Smolov | 0.2 |
| 5462 | Fortress | Task | Closed | Normal | [arrays] arrays initialization is inconvenient | Sergey Smolov | Artem Kotsynyak | 0.3 |
| 9389 | Retrascope | Task | Closed | Normal | Assertion -> Property | Sergey Smolov | Sergey Smolov | 1.0 |
| 7096 | Retrascope | Task | Closed | Normal | assign process merging backend | Sergey Smolov | Sergey Smolov | 0.2 |
| 6472 | Retrascope | Task | Closed | Normal | b13.vhd: too long elaboration time | Sergey Smolov | Mikhail Lebedev | 1.0 |
| 7906 | Retrascope | Task | Closed | Normal | Backend that merges "neighbour ranged" sequential 'if' statements | Sergey Smolov | Sergey Smolov | 0.2 |
| 8429 | Retrascope | Task | Closed | Normal | backend that transforms "x[i] := y" assignments into constant-ranged | Sergey Smolov | Sergey Smolov | 1.0 |
| 8161 | Trace Matcher | Task | Closed | Normal | Basic modules | Sergey Smolov | Sergey Smolov | 0.1 |
| 4946 | Retrascope | Task | Closed | Normal | [basis][log] Ведение лога для нескольких логгеров | Sergey Smolov | Alexander Kamkin | 0.1 |
| 4945 | Retrascope | Task | Closed | Normal | [basis][log] Опция логирования | Sergey Smolov | Alexander Kamkin | 0.1 |
| 5247 | Retrascope | Task | Closed | Normal | [basis] Набор идентификаторов Engine как опция командной строки Retrascope | Sergey Smolov | Alexander Kamkin | 0.1 |
| 7725 | Verilog Translator | Task | Closed | Normal | bitvector arrays support | Sergey Smolov | Alexander Kamkin | 0.1 |
| 5907 | Fortress | Task | Closed | Normal | boolean areOfType(DataTypeId id, Node ... nodes) | Sergey Smolov | Andrei Tatarnikov | 0.3 |
| 5993 | Fortress | Task | Closed | Normal | boolean ExprUtils.isKind(Node.Kind kind, Node ... nodes) | Sergey Smolov | Andrei Tatarnikov | 0.4 |
| 7383 | Fortress | Task | Closed | Normal | boolean isOperation(final Node expr, final T... opId) | Sergey Smolov | Andrei Tatarnikov | 0.4 |
| 6507 | Castle | Task | Closed | Normal | build.gradle: get ANTLR jar from server | Sergey Smolov | Sergey Smolov | |

| # | Project | Tracker | Status | Priority | Subject | Author | Assignee | Target version |
|---|---|---|---|---|---|---|---|---|
| 5259 | Fortress | Task | Rejected | Normal | [build] удаление папки distr при выполнении команды ant clean | Sergey Smolov | Andrei Tatarnikov | 0.3 |
| 8994 | Retrascope | Task | Closed | Normal | "BVEXTRACT( ... BVEXTRACT (j i x))" expression transformation rule to the tool ruleset | Sergey Smolov | Sergey Smolov | 1.0 |
| 5157 | Retrascope | Task | Closed | Normal | [cfg] addNewVariable(DataType type) | Sergey Smolov | Sergey Smolov | 0.1 |
| 3406 | Retrascope | Task | Closed | Normal | CFG extraction from guarded atomic actions (GAA) set. | Sergey Smolov | Sergey Smolov | |
| 5143 | Retrascope | Task | Closed | Normal | [cfg][extractor][iface] CfgIfaceExtractor | Sergey Smolov | Sergey Smolov | 0.1 |
| 9488 | Retrascope | Task | New | Normal | CFG-GADD transformer backend that makes assignments index and range-free | Sergey Smolov | Sergey Smolov | 1.2 |
| 5395 | Retrascope | Task | Closed | Normal | [cfg] getOnlyChild(), getOnlyParent() | Sergey Smolov | Sergey Smolov | 0.2 |
| 4929 | Retrascope | Task | Rejected | Normal | [cfg][model] Добавить структуру данных для представления задержек (delay) в присваиваниях | Sergey Smolov | Sergey Smolov | 0.2 |
| 4924 | Retrascope | Task | Closed | Normal | [cfg][model] Представление непрерывных присваиваний | Sergey Smolov | Sergey Smolov | 0.1 |
| 4558 | Retrascope | Task | Closed | Normal | [cfg][model] Реализовать обходчик для внутреннего представления описаний аппаратуры | Sergey Smolov | Sergey Smolov | 0.1 |
| 4927 | Retrascope | Task | Rejected | Normal | [cfg][model] Убрать узел типа ASSERT | Sergey Smolov | Sergey Smolov | 0.1 |
| 5127 | Retrascope IDE | Task | Rejected | Normal | [cfg][printer][graphml] Интегрировать плагин для yEd | Sergey Smolov | Alexander Protsenko | |
| 5226 | Retrascope | Task | Closed | Normal | [cfg][printer][graphml] Узлы SOURCE и BASIC_BLOCK имеют одинаковый цвет | Sergey Smolov | Sergey Smolov | 0.1 |
| 5579 | Retrascope | Task | Closed | Normal | [cfg] simplify the Assignment class | Sergey Smolov | Sergey Smolov | 0.1 |
| 5568 | Retrascope | Task | Closed | Normal | [cfg] support process variable declarations | Sergey Smolov | Sergey Smolov | 0.1 |
| 4829 | Retrascope | Task | Closed | Normal | [cfg][transformer][cgaa] CFG: Assertion building | Sergey Smolov | Sergey Smolov | 0.1 |
| 4999 | Retrascope | Task | Closed | Normal | [cfg][transformer][cgaa] CFG-to-GADD transformer | Sergey Smolov | Sergey Smolov | 0.1 |
| 9196 | Retrascope | Task | Closed | Normal | CfgVarRangeBlockBackend: use array length for assignment elaboration | Sergey Smolov | Sergey Smolov | 1.0 |
| 6983 | Retrascope IDE | Task | Closed | Normal | [cfg][visualizator][zest] visualize CfgAssertStatement & CfgLoopStatement nodes | Sergey Smolov | Sergey Smolov | 0.1 |
| 5320 | Retrascope | Task | Rejected | Normal | [cfg] Методы копирования вершин CFG | Sergey Smolov | Sergey Smolov | 0.2 |
| 5090 | Retrascope | Task | Closed | Normal | [cfg] Оптимизация представления ветвлений | Sergey Smolov | Sergey Smolov | 0.1 |
| 5107 | Retrascope | Task | Closed | Normal | [cfg] Реализовать VhdlExpressionPrinter | Sergey Smolov | Sergey Smolov | 0.1 |
| 4359 | Retrascope | Task | Rejected | Normal | [cfg] Реализовать метод toConstraint() | Sergey Smolov | Igor Melnichenko | 0.1 |
| 9430 | Retrascope | Task | Closed | Normal | CGAA -> GADD | Sergey Smolov | Sergey Smolov | 1.0 |
| 7806 | Retrascope | Task | Closed | Normal | [cgaa] process - collection of diagrams | Sergey Smolov | Sergey Smolov | 0.2 |
| 5322 | Retrascope | Task | Closed | Normal | [cgaa][transformer][efsm] Продумать и реализовать эвристику определения reset | Sergey Smolov | Sergey Smolov | 0.2 |
| 8179 | Trace Matcher | Task | Closed | Normal | ChangeLog | Sergey Smolov | Sergey Smolov | 0.1 |
| 9999 | Castle | Task | Closed | Normal | ChangeLog -> ChangeLog.md | Sergey Smolov | Sergey Smolov | 0.1 |
| 9658 | Retrascope | Task | Closed | Normal | Check for duplicated data access conflict assertions | Sergey Smolov | Mikhail Lebedev | 1.0 |
| 5711 | Retrascope | Task | Closed | Normal | Check generated *.smv files with external model checker | Sergey Smolov | Mikhail Lebedev | 1.0 |

| # | Project | Tracker | Status | Priority | Subject | Author | Assignee | Target version |
|---|---|---|---|---|---|---|---|---|
| 9986 | QEMU4V | Task | New | Normal | check if QEMU4V features can be implemented as TCG plugin | Sergey Smolov | Sergey Smolov | 0.3 |
| 9917 | QEMU4V | Task | Closed | Normal | check QEMU4V-specific code on compliance with coding style | Sergey Smolov | Sergey Smolov | 0.3 |
| 5875 | Retrascope | Task | Closed | Normal | Check state/transition count for extracted EFSM models | Sergey Smolov | Sergey Smolov | 0.1 |
| 9484 | Retrascope | Task | Closed | Normal | Check variables\switches\basic blocks number at HDL parser test cases | Sergey Smolov | Sergey Smolov | 1.0 |
| 8181 | Trace Matcher | Task | Closed | Normal | check whether trace records are ordered by time | Sergey Smolov | Sergey Smolov | 0.1 |
| 10494 | Fortress | Task | Closed | Normal | check Windows build of Boolector on project tests | Sergey Smolov | Maxim Chudnov | 0.4 |
| 6354 | Retrascope | Task | Closed | Normal | Collapsing group node for Module | Sergey Smolov | Alexander Protsenko | 0.1 |
| 5694 | Retrascope | Task | Closed | Normal | collect the *.smt2 files and analyse constraints | Sergey Smolov | Sergey Smolov | 0.1 |
| 6445 | Retrascope | Task | Closed | Normal | compare nuXmv and NuSMV | Sergey Smolov | Mikhail Lebedev | 0.1 |
| 8184 | Trace Matcher | Task | Closed | Normal | compare record fields in case insensitive mode | Sergey Smolov | Sergey Smolov | 0.1 |
| 9888 | Retrascope IDE | Task | New | Normal | complete migration from Ant to Gradle build system | Sergey Smolov | | 0.1 |
| 7527 | Fortress | Task | Closed | Normal | constant casting while type conversion | Sergey Smolov | Sergey Smolov | 0.4 |
| 6108 | MicroTESK | Task | Closed | Normal | create environment variable(s) for SMT solver(s) | Sergey Smolov | Andrei Tatarnikov | 2.2 |
| 5563 | Fortress | Task | Closed | Normal | [data] implement DataTypeId.isLogic(Enum<?> id) method | Sergey Smolov | Andrei Tatarnikov | 0.3 |
| 4699 | Fortress | Task | Closed | Normal | [data][solver] поддержка массивов SMT-LIB | Sergey Smolov | Andrei Tatarnikov | 0.3 |
| 4671 | Fortress | Task | Closed | Normal | [data] Метод построения битовых векторов из их строкового представления | Sergey Smolov | Sergey Smolov | 0.3 |
| 10304 | MicroTESK | Task | New | Normal | deprecation warnings via compilation | Sergey Smolov | Alexander Kamkin | 2.6 |
| 6431 | Retrascope | Task | Closed | Normal | descriptor for (VHDL) variables & signals | Sergey Smolov | Sergey Smolov | 0.1 |
| 6061 | Retrascope | Task | Closed | Normal | EFSM-based transition assertion generator | Sergey Smolov | Sergey Smolov | 1.0 |
| 6350 | Retrascope | Task | Closed | Normal | EfsmConflictExtractor wiki documentation | Sergey Smolov | Mikhail Lebedev | 0.1 |
| 7574 | Retrascope | Task | Closed | Normal | Efsm: deepCopy() | Sergey Smolov | Sergey Smolov | 0.2 |
| 5446 | Retrascope | Task | Closed | Normal | [efsm][examples] Добавить мета-информацию в B04/B13 | Sergey Smolov | Sergey Smolov | 0.1 |
| 5590 | Retrascope | Task | Closed | Normal | [efsm][extraction] implement an EFSM initial state & 'reset' signal heuristics | Sergey Smolov | Sergey Smolov | 0.1 |
| 5589 | Retrascope | Task | Closed | Normal | [efsm][extraction] state-like variables use/def statistics | Sergey Smolov | Sergey Smolov | 0.1 |
| 5497 | Retrascope | Task | Closed | Normal | [efsm][extractor][conflict][jaxb] rename jaxb-classes | Sergey Smolov | Mikhail Lebedev | 0.1 |
| 5501 | Retrascope | Task | Closed | Normal | [efsm][generator][test] Class 'EfsmAtomicTestGenerator' is never used | Sergey Smolov | Igor Melnichenko | 0.1 |
| 5537 | Retrascope | Task | Closed | Normal | [efsm][generator][test] make log shorter | Sergey Smolov | Igor Melnichenko | 0.1 |
| 5756 | Retrascope | Task | Closed | Normal | EFSM pre-initial state + initialization action | Sergey Smolov | Sergey Smolov | 0.1 |
| 7409 | Retrascope | Task | Closed | Normal | EFSM state abstraction (stabilization) | Sergey Smolov | Sergey Smolov | 0.2 |
| 7597 | Retrascope | Task | Closed | Normal | EfsmTransition.getGuardedAction().getGuard() -> EfsmTransition.getGuard() | Sergey Smolov | Sergey Smolov | 0.2 |
| 6988 | Retrascope IDE | Task | New | Normal | [efsm][visualizator][zest] "organic" layout for EFSM models | Sergey Smolov | | 0.1 |
| 7972 | Retrascope | Task | Closed | Normal | empty event-free cases merging backend | Sergey Smolov | Sergey Smolov | 0.2 |

| # | Project | Tracker | Status | Priority | Subject | Author | Assignee | Target version |
|---|---|---|---|---|---|---|---|---|
| 5507 | Retrascope | Task | Rejected | Normal | [engine][basis] implement PrinterEngine | Sergey Smolov | Sergey Smolov | 0.1 |
| 6412 | Retrascope | Task | Rejected | Normal | engine combining HLDD & assertion model | Sergey Smolov | Sergey Smolov | 0.1 |
| 7742 | Retrascope | Task | Closed | Normal | enum support | Sergey Smolov | Sergey Smolov | 0.2 |
| 6831 | Fortress | Task | Closed | Normal | ESExprParser: improve error messages | Sergey Smolov | Artem Kotsynyak | 0.4 |
| 5696 | Retrascope | Task | Closed | Normal | exclude sandbox & test folder from distribution | Sergey Smolov | Sergey Smolov | 0.1 |
| 5599 | Fortress | Task | Closed | Normal | [expression] implement getDataTypeId() method | Sergey Smolov | Andrei Tatarnikov | 0.3 |
| 4702 | Fortress | Task | Closed | Normal | [expression] Реализовать операцию BVBIT | Sergey Smolov | Alexander Kamkin | 0.3 |
| 5313 | Fortress | Task | Closed | Normal | [expression] Сделать публичным метод ExprUtils.isSAT(Node assertion) | Sergey Smolov | Andrei Tatarnikov | 0.3 |
| 7402 | Fortress | Task | Closed | Normal | ExprUtils: ignore repeated Node objects upon conjunction/disjunction construction | Sergey Smolov | Andrei Tatarnikov | 0.4 |
| 5588 | Retrascope | Task | Closed | Normal | extend HDL test suite | Sergey Smolov | Sergey Smolov | 1.0 |
| 9790 | Verilog Translator | Task | New | Normal | external names for unnamed generate blocks | Sergey Smolov | Alexander Kamkin | 0.1 |
| 5897 | Retrascope | Task | Closed | Normal | fix javadoc for methods using InvariantChecks.checkNotNull | Sergey Smolov | Sergey Smolov | 0.1 |
| 9771 | Verilog Translator | Task | Closed | Normal | fix 'publishing' block behaviour for Gradle 4.10.3 | Sergey Smolov | Sergey Smolov | 0.1 |
| 7727 | Retrascope | Task | Closed | Normal | Flatten module instances | Sergey Smolov | Sergey Smolov | 0.2 |
| 8982 | Verilog Translator | Task | New | Normal | "for" loop unrolling | Sergey Smolov | Alexander Kamkin | 0.1 |
| 3914 | Fortress | Task | Rejected | Normal | function templates | Sergey Smolov | Andrei Tatarnikov | 0.1 |
| 10002 | Fortress | Task | Closed | Normal | get Boolector solver from server as dependency | Sergey Smolov | Sergey Smolov | 0.4 |
| 8205 | Verilog Translator | Task | Closed | Normal | Gradle-based build environment | Sergey Smolov | Sergey Smolov | 0.1 |
| 8113 | Trace Matcher | Task | Closed | Normal | Gradle build environment | Sergey Smolov | Sergey Smolov | 0.1 |
| 9810 | Retrascope IDE | Task | New | Normal | Gradle build system | Sergey Smolov | | 0.1 |
| 6454 | Retrascope | Task | Closed | Normal | group sequential switches with boolean conditions of "x == a" form | Sergey Smolov | Sergey Smolov | 0.1 |
| 7595 | Retrascope | Task | Closed | Normal | GuardedAction.getGuard().getNode() -> GuardedAction.getGuardNode() | Sergey Smolov | Sergey Smolov | 0.2 |
| 5872 | Retrascope | Task | Closed | Normal | HDL file meta info | Sergey Smolov | Sergey Smolov | 0.1 |

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