

## Issues

| #    | Project   | Tracker | Status | Priority | Subject  | Author           | Assignee          | Target version |
|------|-----------|---------|--------|----------|--|------------------|-------------------|----------------|
| 7685 | MicroTESK | Bug     | New    | Urgent   | warning(24): template error: context [/outputFile /parser /genericParser /region_/genericParser__members /region_/genericParser__members] 32:3 no such property or can't access: | Alexander Kamkin | Andrei Tatarnikov | 2.4            |
| 4778 | TestBase  | Task    | Open   | Urgent   | Low-level interface for adding test situations (named constraints)   | Alexander Kamkin | Andrei Tatarnikov | 0.0            |
| 6326 | MicroTESK | Bug     | New    | High     | If an nml file contains no operations, translation fails with NPE  | Alexander Kamkin | Andrei Tatarnikov | 2.3            |
| 5428 | MicroTESK | Task    | Open   | High     | Stabilization of source code representation  | Alexander Kamkin | Andrei Tatarnikov | 2.2            |
| 8697 | MicroTESK | Bug     | New    | Normal   | Type mismatch in an mmu file causes NullPointerException   | Alexander Kamkin | Andrei Tatarnikov | 2.4            |
| 8695 | MicroTESK | Bug     | New    | Normal   | Parsing an mmu-file with no mmu declaration causes IllegalArgumentException  | Alexander Kamkin | Andrei Tatarnikov | 2.4            |
| 8694 | MicroTESK | Bug     | New    | Normal   | Parsing an empty *.mmu file causes NullPointerException  | Alexander Kamkin | Andrei Tatarnikov | 2.4            |
| 8696 | MicroTESK | Bug     | New    | Normal   | Parsing an mmu-file with empty read and write definitions causes IllegalArgumentException  | Alexander Kamkin | Andrei Tatarnikov | 2.4            |
| 8693 | MicroTESK | Task    | New    | Normal   | Construct sizeof(type)   | Alexander Kamkin | Andrei Tatarnikov | 2.4            |
| 8691 | MicroTESK | Task    | New    | Normal   | Sign- and zero-extend functions in preparators   | Alexander Kamkin | Andrei Tatarnikov | 2.4            |
| 7711 | MicroTESK | Bug     | New    | Normal   | JavaDoc warning on Java 1.8  | Alexander Kamkin | Andrei Tatarnikov | 2.4            |
| 6378 | MicroTESK | Bug     | New    | Normal   | No way to jump from epilogue to a label defined in prologue  | Alexander Kamkin | Andrei Tatarnikov |                |
| 6461 | MicroTESK | Task    | New    | Normal   | Support for inline comments  | Alexander Kamkin | Andrei Tatarnikov | 2.3            |
| 6379 | MicroTESK | Bug     | New    | Normal   | Using if-then-else in syntax causes an error   | Alexander Kamkin | Andrei Tatarnikov | 2.3            |
| 6333 | MicroTESK | Bug     | New    | Normal   | NmlTreeWalker.g: node from line 0:0 no viable alternative at input   | Alexander Kamkin | Andrei Tatarnikov | 2.3            |
| 6329 | MicroTESK | Bug     | New    | Normal   | java.lang.NullPointerException at ru.ispras.microtesk.mmu.translator.MmuTreeWalkerBase.newAttributeRef(MmuTreeWalkerBase.java:940)   | Alexander Kamkin | Andrei Tatarnikov | 2.3            |
| 5377 | Fortress  | Feature | Open   | Normal   | Не поддерживается работа с несколькими CalculatorEngine  | Alexander Kamkin | Andrei Tatarnikov | 0.4            |
| 6223 | MicroTESK | Task    | New    | Normal   | User-defined template-oriented extensions (plugins)  | Alexander Kamkin | Andrei Tatarnikov | 2.3            |
| 6068 | MicroTESK | Task    | New    | Normal   | Description of complex situations  | Alexander Kamkin | Andrei Tatarnikov | 2.2            |
| 6064 | MicroTESK | Task    | New    | Normal   | Translator support for exporting symbols in marks  | Alexander Kamkin | Andrei Tatarnikov | 2.2            |
| 5752 | MicroTESK | Task    | New    | Normal   | Support for macro  | Alexander Kamkin | Andrei Tatarnikov | 2.2            |
| 4805 | TestBase  | Task    | New    | Normal   | Top-level test situations of instructions  | Alexander Kamkin | Andrei Tatarnikov | 0.0            |
| 4804 | TestBase  | Task    | New    | Normal   | Manual description of test situations in Java and XML  | Alexander Kamkin | Andrei Tatarnikov | 0.0            |
| 5301 | MicroTESK | Task    | New    | Normal   | Description of the Java template interface   | Alexander Kamkin | Andrei Tatarnikov | 2.2            |
| 5311 | MicroTESK | Task    | New    | Normal   | Shortcuts for getting modes from templates   | Alexander Kamkin | Andrei Tatarnikov | 2.2            |
| 4814 | MicroTESK | Task    | New    | Normal   | Refactoring of L-expressions and memory model  | Alexander Kamkin | Andrei Tatarnikov | 2.2            |
| 3993 | MicroTESK | Task    | New    | Normal   | Description of the nML translator  | Alexander Kamkin | Andrei Tatarnikov |                |
| 4016 | MicroTESK | Task    | New    | Normal   | The nML Language Reference   | Alexander Kamkin | Andrei Tatarnikov |                |

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| 9170 | MicroTESK | Bug     | New    | Normal   | int_to_float is not supported for constant expressions   | Alexander Protsenko | Andrei Tatarnikov |                |
| 8186 | MicroTESK | Task    | New    | Normal   | Full support for 'struct' in nml   | Alexander Protsenko | Andrei Tatarnikov |                |
| 7403 | MicroTESK | Bug     | New    | Normal   | The expression cannot be evaluated to a boolean value  | Alexander Protsenko | Andrei Tatarnikov |                |
| 7401 | MicroTESK | Bug     | New    | Normal   | int_to_float is not supported for constant expressions   | Alexander Protsenko | Andrei Tatarnikov |                |
| 7218 | MicroTESK | Bug     | New    | Normal   | extraneous input 'op' expecting ID   | Alexander Protsenko | Andrei Tatarnikov |                |
| 6345 | MicroTESK | Task    | New    | Normal   | Support floating-point numbers in trace "".  | Alexander Protsenko | Andrei Tatarnikov |                |
| 6261 | MicroTESK | Bug     | New    | Low      | write method (segment)   | Alexander Protsenko | Andrei Tatarnikov |                |
| 8481 | MicroTESK | Task    | New    | Urgent   | Need a way to specify the termination addresss for the test program.                                   | Andrei Tatarnikov   | Andrei Tatarnikov | 2.4            |
| 7418 | MicroTESK | Bug     | New    | Urgent   | Reset the state of the model before starting generating a new test program fle                         | Andrei Tatarnikov   | Andrei Tatarnikov | 2.3            |
| 6911 | MicroTESK | Bug     | New    | Urgent   | The "get_address_of" method must work with all label types.  | Andrei Tatarnikov   | Andrei Tatarnikov | 2.3            |
| 5671 | MicroTESK | Bug     | New    | Urgent   | Robustness of test template processing logic must be improved  | Andrei Tatarnikov   | Andrei Tatarnikov | 2.2            |
| 5674 | MicroTESK | Task    | New    | Urgent   | Description of test data generation mechanisms (test situation processing, constraint solving)         | Andrei Tatarnikov   | Andrei Tatarnikov | 2.2            |
| 5677 | MicroTESK | Task    | New    | Urgent   | Examples of templates demonstrating how to create combinatorial tests                                  | Andrei Tatarnikov   | Andrei Tatarnikov | 2.2            |
| 7603 | MicroTESK | Bug     | New    | High     | List of plug-ins must be stored in etc/settings.xml  | Andrei Tatarnikov   | Andrei Tatarnikov | 2.3            |
| 7251 | MicroTESK | Bug     | New    | High     | A warning or error is needed when a value is truncated   | Andrei Tatarnikov   | Andrei Tatarnikov | 2.3            |
| 5990 | MicroTESK | Bug     | New    | High     | Memory state must be taken into account when generating test data                                      | Andrei Tatarnikov   | Andrei Tatarnikov | 2.2            |
| 5652 | MicroTESK | Task    | New    | High     | Better examples of test templates using test situations  | Andrei Tatarnikov   | Andrei Tatarnikov | 2.2            |
| 5659 | MicroTESK | Bug     | New    | High     | Function 'trace' should accept addressing modes as arguments   | Andrei Tatarnikov   | Andrei Tatarnikov | 2.2            |
| 4900 | MicroTESK | Task    | New    | High     | Printing information on the model should be possible   | Andrei Tatarnikov   | Andrei Tatarnikov | 2.2            |
| 8061 | MicroTESK | Bug     | New    | Normal   | Position of all blocks, calls, data etc. in test templates must be tracked to provide better debugging | Andrei Tatarnikov   | Andrei Tatarnikov | 2.4            |
| 8060 | MicroTESK | Bug     | New    | Normal   | Attributes image and syntax and static instances   | Andrei Tatarnikov   | Andrei Tatarnikov |                |
| 5192 | MicroTESK | Task    | New    | Normal   | Assert constructions to check the model state during and after simulation                              | Andrei Tatarnikov   | Andrei Tatarnikov |                |
| 6194 | MicroTESK | Bug     | New    | Normal   | Automated extraction of addressable unit size  | Andrei Tatarnikov   | Andrei Tatarnikov |                |
| 6380 | MicroTESK | Bug     | New    | Normal   | Possibility to specify initial values for registers  | Andrei Tatarnikov   | Andrei Tatarnikov | 2.3            |
| 4061 | MicroTESK | Task    | New    | Normal   | Support for endianness   | Andrei Tatarnikov   | Andrei Tatarnikov | 2.2            |
| 4161 | MicroTESK | Bug     | New    | Normal   | Observing the design state via addressing modes  | Andrei Tatarnikov   | Andrei Tatarnikov | 2.2            |
| 5193 | MicroTESK | Feature | New    | Low      | Test templates in Python   | Andrei Tatarnikov   | Andrei Tatarnikov |                |
| 5529 | Fortress  | Task    | New    | High     | Использовать префиксы для указания основания в строковом представлении числовых данных                 | Artem Kotsynyak     | Andrei Tatarnikov | 0.4            |
| 5421 | Fortress  | Task    | Open   | Normal   | Utility methods on expression nodes  | Artem Kotsynyak     | Andrei Tatarnikov | 0.4            |
| 5596 | Fortress  | Feature | New    | Low      | Генерация случайных значений, удовлетворяющих определённым условиям                                    | Igor Melnichenko    | Andrei Tatarnikov | 0.4            |
| 7313 | MicroTESK | Bug     | New    | High     | Analysis for input/output parameters   | Mikhail Chupilko    | Andrei Tatarnikov |                |

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| 5783 | MicroTESK | Bug     | New    | High     | Problems with multiple concatenation   | Mikhail Chupilko | Andrei Tatarnikov | 2.2            |
| 7229 | MicroTESK | Bug     | New    | Normal   | Unsupported assignment to mode   | Mikhail Chupilko | Andrei Tatarnikov |                |
| 5785 | MicroTESK | Task    | New    | Normal   | Too much diagnostics on misprintings   | Mikhail Chupilko | Andrei Tatarnikov | 2.2            |
| 6025 | MicroTESK | Bug     | New    | Normal   | Usage of format with signed values   | Mikhail Chupilko | Andrei Tatarnikov | 2.2            |
| 5813 | MicroTESK | Bug     | New    | Normal   | Support of instance call in left part of assignment                                    | Mikhail Chupilko | Andrei Tatarnikov |                |
| 8587 | MicroTESK | Feature | New    | Normal   | ISA subsets  | Sergey Smolov    | Andrei Tatarnikov |                |
| 7564 | MicroTESK | Task    | New    | Normal   | "How to build MicroTESK" guide for developers in project Wiki                          | Sergey Smolov    | Andrei Tatarnikov |                |
| 7561 | Fortress  | Task    | New    | Normal   | ISampleConstraint: 'getExpectedVariables' returns value that is ignored in junit tests | Sergey Smolov    | Andrei Tatarnikov | 0.4            |
| 5966 | MicroTESK | Bug     | New    | Normal   | mark shell scripts as executable in the distribution tar.gz archive                    | Sergey Smolov    | Andrei Tatarnikov | 2.2            |
| 6423 | Fortress  | Task    | New    | Low      | to_real, to_int, is_int operations   | Sergey Smolov    | Andrei Tatarnikov | 0.4            |