

Comparing BX Tools with Examples

FATBIT Workshop, Braga

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October 3, 2013

Motivation

Approach

Tools to assess

Bijection - Metamodel + Consistency Relation

Bijection - Metamodel + Consistency Relation - *eMoflon*

Bijection - Transformations - *eMoflon*

Bijection - Metamodel + Consistency Relation - *echo*

Bijection - Transformations - *echo*

uniNDTotal - Metamodel + Consistency Relation

uniNDTotal - Metamodel + Consistency Relation - *eMoflon*

uniNDTotal - Transformations - *eMoflon*

uniNDTotal - Metamodel + Consistency Relation - *echo*

uniNDTotal - Transformations - *echo*

References



Stevens, Perdita. "Observations relating to the equivalences induced on model sets by bidirectional transformations." Electronic Communications of the EASST 49 (2012).



Macedo, Nuno, and Alcino Cunha. "Implementing QVT-R bidirectional model transformations using Alloy." Fundamental Approaches to Software Engineering. Springer Berlin Heidelberg, 2013. 297-311.



eMoflon - <http://www.moflon.org/>



echo - <https://github.com/haslab/echo>



GRoundTram - <http://www.biglab.org/>



ModelMorf - <http://www.tcs-trddc.com/>



medini QVT - <http://projects.ikv.de/qvt>



focal - <https://alliance.seas.upenn.edu/~harmony/old/>