

slicing of heterogeneous model collections represented using megamodels and illustrated the algorithm on an automotive example. We analyzed the algorithm and showed that it behaves as expected with respect to termination, correctness, time complexity and minimality. Finally, we discussed the issues concerning slice well-formedness and referential integrity as well as how to generalize the algorithm to support arbitrary relationship types, N-ary relationship and nested megamodels. We are currently developing tooling for the algorithm using the Model Management INTERactive (MMINT) framework [8] and plan to use it to conduct more extensive case studies to better understand the strengths and weaknesses of the approach.

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