

NRA-LS: Applying Local Search on Non-linear Real Arithmetic



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- New entrant to SMT-COMP, participating in QF_NRA single query track this year

Highlights

- A local search solver that wraps CVC5-1.0.0
- To solve satisfiable instances with high-order polynomials

Approach

- Initial model generation
- Iterative satisfiability testing of sub-problems
- Time slots assignment

Resources

- System description and project are available at
<https://github.com/minghao-liu/NRA-LS>

