



## Developers:

Martin Bromberger, Mathias Fleury, Simon Schwarz, Christoph Weidenbach

## Ground Linear Arithmetic Solver:

- newest tool in the SPASS Workbench
- combines our theory solver SPASS-IQ and our unnamed SAT solver
- supports QF\_LIA, QF\_LRA, (and QF\_LIRA)
- complete but efficient theory solver [IJCAR2018]
- uses fast cube tests [IJCAR2016, FMSD2017]
- SAT decisions based on theory solver information
- uses many more well-known techniques for linear arithmetic



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