

QUIMPER

A new constraint tool

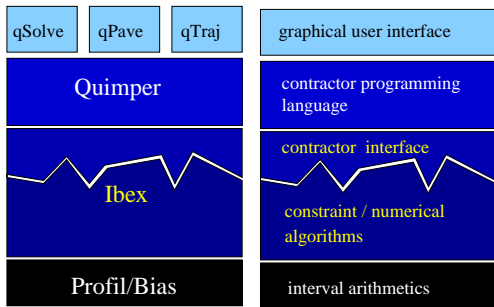
Gilles Chabert and Luc Jaulin

<http://www.ibex-lib.org>

November, 13th 2008

A high-level solver programming tool

Structure



- Gilles's talk (GT MEA, November 22 2007)
- Luc's talk (GT MEA, March 13 2008)
- *Contractor programming* (Artificial intelligence, available at <http://www.emn.fr/x-info/chabert>)
- Quimper user guide available at <http://www.ibex-lib.org>

Contractor programming

- Everything is a contractor
- The “meaning” of a contractor C is in $C([x])$
- but the result of a contractor is $[x] \setminus C([x])$

Paver algorithm

- Apply contractors until fixpoint is reached
- Bisect