Report on

the 1st Confluence Competition (CoCo 2012)

Takahito Aoto (Tohoku University)

CoCo 2012

Competition among confluence proving/disproving tools
The event was held on yesterday.

Main Track
Prove a TRS is confluent or not

Certification Demo
Certify a (non-)confluence proof of a TRS

Entrants

Main Track

ACP Takahito Aoto (Tohoku University)

Yoshihito Toyama (Tohoku University)

CSI Harald Zankl (University of Innsbruck)

Bertram Felgenhauer (University of Innsbruck)

Aart Middeldorp (University of Innsbruck)

Saigawa Nao Hirokawa (JAIST)

Dominik Klein (JAIST)

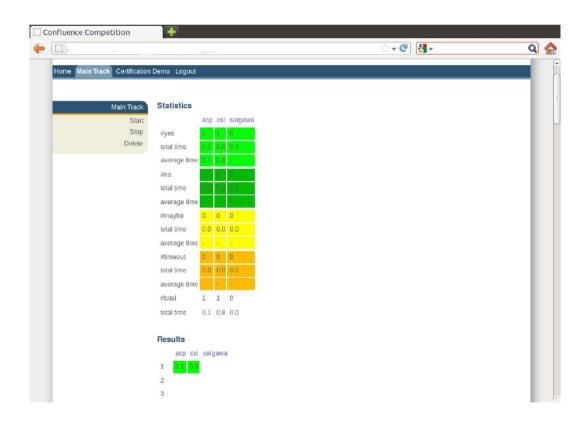
Certification Demo

CeTA René Thiemann (University of Innsbruck)

One page sys. desc. appear in IWC 2012 proceedings.

Live Competition

The competition took part in IWC 2012 and was performed in live.

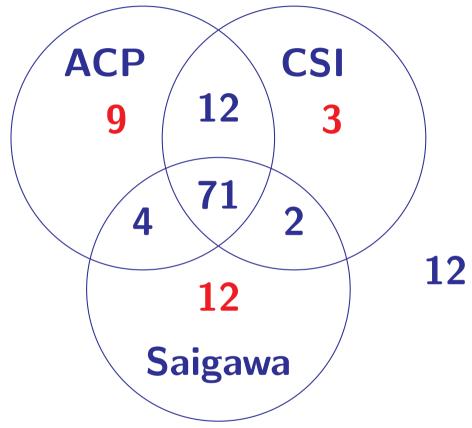


Scores on the Main Track

	YES	NO	timeout	score
ACP	78	18	3	96
CSI	67	21	5	88
Saigawa	71	18	12	89

- YES/NO should be followed by a proof argument which is understandable by human experts.
- 125 problems (almost) from literature are considered.
- Timeout of 60 seconds for each problem

Different Techniques, Different Results



Complete results are available at

http://coco.nue.riec.tohoku.ac.jp/2012/

CoCo for the Next Year

CoCo Webpage

http://coco.nue.riec.tohoku.ac.jp/

CoCo Mailing List

coco@jaist.ac.jp

Submissions of confluence problems are welcome

http://coco.nue.riec.tohoku.ac.jp/problems/

Please consider participation of your tool(s) to CoCo 2013!