Admin

- Pascal Fontaine (U Liege, Belgium) ended his term of office [WG leader until August 2022, WG vice-leader until Sep 2023]
- 2. Mathias Fleury (U Freiburg, Germany) follows Pascal as WG 2 vice leader

Thanks a lot to Pascal for his dedicated services!
... and to Mathias for his readiness to support EPN/WG2

Meetings

Dedukti/ATP developers meeting (20 participants)
 May 11-13, 2023 in Liege, Belgium
 Organizers: Steen/Fontaine
 Focus: Tool development, tutorials

TPTP Tea Party (approx. 15 participants)
 July 13, 2023 in Paris-Saclay/Gif-sur-Yvette, France
 Organizers: Blanqui/Sutcliffe/Steen/Fontaine
 Focus: System standards, tool survey

Deliverables

D2. Inventory of automated theorem provers producing proofs, description of proof formats, and inventory of checking tools for these proof formats.

- Available at GitHub: https://github.com/EuroProofNet/ATP/wiki
- Entries for most major formats available
- Entries for reasoning systems growing (currently: 12)

Home

Alexander Steen edited this page on May 12 · 23 revisions

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EuroProofNet Automated Theorem Prover wiki



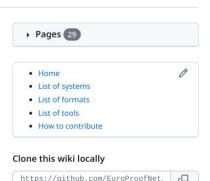
EuroProofNet is the European research network on digital proofs. EuroProofNet aims at boosting the interoperability and usability of proof systems. EuroProofNet is a COST action started on November 2021 gathering more than 220

researchers from 30 different countries.

The aim of working group 2 (WG 2) is to promote the output of detailed, checkable proofs from automated theorem provers. Work is under way for FOL/HOL theorem provers and SMT solvers, but the expressivity of their input languages renders the task significantly more complicated than e.g., in the propositional SAT world, with a higher need of coordination.

The main purpose of this wiki is to provide

- an inventory of automated theorem provers producing proofs
- description of proof formats
- an inventory of checking tools for these proof formats.



Deliverables

D9. Software for translating proof formats used by automated theorem provers to Dedukti.

- Tools available →
 (see europroofnet.github.io/deliverable9)
- More work underway
 (see also activity report of dev meeting)

Deliverable 9

Software for translating proof formats used by automated theorem provers to Dedukti.

- ZenonModulo
- ArchSAT
- iProverModulo
- Ekstrakto: TSTP to Lambdapi
- Skonverto deskolemizer
- GDV-LP: TPTP to Lambdapi/FOL (doc)

Publications

We refer to the EPN publication list.

One additional remark:

CEUR Workshop proceedings
 published of PAAR workshop
 Co-located with WG2 meeting in
 August 2022 in Haifa, Israel →

