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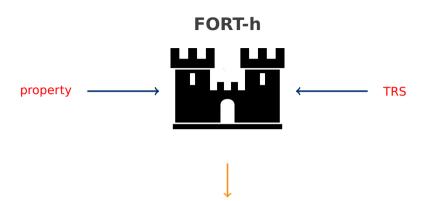


CoCo 2021 Participant: FORT-h 1.1

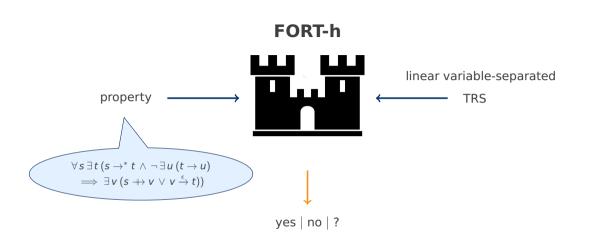
Fabian Mitterwallner Jamie Hochrainer Aart Middeldorp

FORT-h





yes | no | ?



property is arbitrary formula in first-order theory of rewriting

CoCo 2020 Categories (FORT-h) GCR NFP UNC UNR COM

CoCo 2020 Categories (FORT-h)						
GC	R	NFP	UNC	UNR	СОМ	most YES results

CoCo 2021 Categories (FORT-h) GCR NFP UNC UNR COM

GCR NFP UNC UNR COM

Differences FORT and FORT-h (2020)

- modified decision procedure
- supports linear variable-separated TRSs
- more expressive theory ($ightarrow_{>\epsilon}$)
- goal: certified results

CoCo 2021 Categories (FORT-h) GCR NFP UNC UNR COM

Differences 2020 and 2021

- certified results!
- FORTify can certify proofs



GCR NFP UNC UNR COM

Differences 2020 and 2021

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- FORTify can certify proofs
- optimized signature extension results (IWC 2021)



GCR NFP UNC UNR COM

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- faster/smaller automata constructions via eager epsilon eliminations

GCR NFP UNC UNR COM

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https://fortissimo.uibk.ac.at/fort(ify)/

