

# CoCo 2021 Participant: CSI 1.2.5

Fabian Mitterwallner and Aart Middeldorp

Department of Computer Science, University of Innsbruck, Austria  
fabian.mitterwallner@uibk.ac.at, aart.middeldorp@uibk.ac.at

CSI is an automatic tool for (dis)proving confluence and related properties of first-order term rewrite systems (TRSs). It has been in development since 2010. Its name is derived from the Confluence of the rivers Sill and Inn in Innsbruck. The tool is available from

<http://cl-informatik.uibk.ac.at/software/csi>

under a LGPLv3 license. A detailed description of CSI can be found in [3]. Some of the implemented techniques are described in [1, 2, 4]. Compared to last year's version, CSI 1.2.5 contains an implementation of the *outside-closed* criterion for confluence [6] and extends the upside-parallel-closed criterion to include the relaxed condition for root overlaps [5].

CSI participates in the following CoCo 2021 categories: CPF-TRS, NFP, SRS, TRS, UNC, and UNR.

## References

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