

# ACP (Automated Confluence Prover)

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- ACP entered to **COM/CTRS/SRS/TRS/UNR/UNC**
- ACP+CeTA entered to **COM/SRS/TRS**
- Written in Standard ML of New Jersey (SML/NJ)
- Version: 0.10 (2009) ... 0.71 (2023)
- Implementing **multiple direct methods** and **divide-and-conquer methods**
- New features:
  - (i) **UNR**: preliminary efforts for proving UNR
  - (ii) **COM**: generating some certificates
- Future plan:
  - (i) **CTRS**: we're working on the implementation of:

*A Critical Pair Criterion for Level-Commutation of Conditional Term Rewriting Systems, R. Haga et al., FroCoS 2023, to appear.*