Using FDR to Model Check CSP-Like Languages

Fringe Presentation

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Abstract. This talk presents a demonstration of `tyger`, a tool that has been constructed to allow a large class of *CSP-like languages* to be simulated in CSP. In particular, FDR will be used to demonstrate model checking of a simple CCS version of the classic Dining Philosophers problem. The theory behind this demonstration will be presented in [1].

Keywords. CSP-like, tyger, simulation, FDR, Dining Philosophers

References

[1] T. Gibson-Robinson. Efficient Simulation of CSP-Like Languages. In *Communicating Process Architectures 2013*. Open Channel Publishing, August 2013.