

[Soundararajan, N.](#)

Axiomatic semantics of communicating sequential processes. (English) Zbl 0542.68013
[ACM Trans. Program. Lang. Syst. 6, 647-662 \(1984\).](#)

Summary: A simple definition of the axiomatic semantics of Communicating Sequential Processes is presented. The most important aspect of the approach is that it allows dealing with the individual processes of a program in isolation from the other processes. The axiomatic semantics is used to prove the correctness of a program for partitioning sets.

Reviewer: [Reviewer \(Berlin\)](#)

MSC:

[68N25](#) Theory of operating systems
[68Q60](#) Specification and verification (program logics, model checking, etc.)

Cited in **1** Review
Cited in **13** Documents

Keywords:

[verification](#); [absence of deadlock](#); [communicating processes](#); [CSP](#); [distributed termination](#); [partial correctness](#); [axiomatic semantics](#)

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