Asynchronous Programming in the Abstract Behavioural Specification Language
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Cover Page

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Part I

Background:
Abstract Behavioural Specification

This part consists of the following chapter:

Chapter 1 Abstract Behavioural Specification (ABS) is a language for designing executable models of parallel and distributed object-oriented systems [48], and is defined in terms of a formal operational semantics which enables a variety of static and dynamic analysis techniques for the ABS models. In this chapter, we give a brief overview of ABS with the main focus on syntax, semantics, and the model of concurrency. Finally, a simple example that represents a model of thread pool in ABS is given.