Automatic algorithm selection for complex simulation problems

Ewald, Roland, author

Deskripsi Lengkap: https://lib.ui.ac.id/detail?id=20408222&lokasi=lokal

----

Abstrak

Roland Ewald analyzes and discusses existing approaches to solve the algorithm selection problem in the context of simulation. He introduces a framework for automatic simulation algorithm selection and describes its integration into the open-source modelling and simulation framework James II. Its selection mechanisms are able to cope with three situations : no prior knowledge is available, the impact of problem features on simulator performance is unknown, and a relationship between problem features and algorithm performance can be established empirically. The author concludes with an experimental evaluation of the developed methods.