

A Sketch of Parameterized Complexity

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Abstract

In the field of parameterized complexity, we study algorithms for and the complexity of problems where one part of the input is a parameter that is assumed to be small. In this talk, a survey will be given of several central notions from parameterized complexity, and discuss some recent developments, including the classes XNLP and XALP. These topics will be illustrated with examples from results on graph layout and graph drawing.

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