

Parameterized tractability of single machine scheduling with rejection

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The parameterized complexity is an area of the computational complexity theory for classifying intractable computational problems in a fine-grained way and providing guidance of designing efficient algorithms with respect to their parameters. In this talk, we will present an introduction to the parameterized complexity, talk about the classes of parameterized complexity algorithms (XP , FPT , $W[1]$), and discuss the methods to classify such problems with an example of a single machine scheduling with rejection problem.