

A Graph Editor and Graph Algorithms Implementation System

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Abstract

JEdit is a Java based system for drawing graphs and running graph algorithms. This system is basically designed to be a teaching and learning tool. The extensive graphical user interface includes various options for creating and manipulating graphs.

With JEdit we can run graph algorithms with animation, draw special graphs with just a click, and perform simple graph operations. Some algorithms can be run with an animation feature where the user can see intermediate steps as the algorithm executes.

The new version of JEdit includes extensive documentation of classes and an interface for easy addition and removal of algorithms. Several standard algorithms are also included.