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Special Issue on Algorithms and Models for the Web-Graph

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Special Issue editor

This special issue of *Internet Mathematics* is dedicated to the Fourth International Workshop on Algorithms and Models for the Web-Graph (WAW 2006), held at the Banff International Research Station (BIRS) in Banff, Canada, on November 30 and December 1, 2006. The aim of the workshop was to further the understanding of graphs and networks derived from the World Wide Web and to stimulate the development of high-performance algorithms and applications that use the graph structure of the Web.

The talks and posters presented at WAW 2006 showed an interesting mix of theory and practice, and they ranged from an experimental study of the current state of the World Wide Web, based on a large Web crawl, to a probabilistic analysis of the relation between PageRank and in-degree, to an analysis of expansion properties of certain random Web graph models. The authors of the more analytical workshop papers were invited to submit an extended version of their work to this special issue. These extended papers were independently reviewed according to the usual standards of *Internet Mathematics*. The selection of papers in this issue includes contributions by keynote speakers Fan Chung-Graham, Soumen Chakrabarti, and Filippo Menczer.

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