Conic Optimization

Special issue for PACIFIC JOURNAL of OPTIMIZATION

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MOTIVATION

Over the last two decades, there has been a significant advance in the research of interior point methods and conic optimization. Today conic optimization has emerged as a major computational paradigm and has made significant impact on numerous problems previously considered intractable or difficult to approximate. This special issue aims to solicit papers that provide original research on conic optimization theory and algorithms, including available software. Also welcome are papers that deal with emerging, meaningful applications; or that give friendly overviews of certain theoretically advanced conic optimization techniques relevant to applications.

Examples of topics that will be addressed in this special issue include, but are not limited to:

- Theory and algorithms for large scale conic optimization
- Computational study of conic optimization algorithms
- Relaxation techniques based on conic optimization
- Applications of conic optimization in science and engineering (e.g., image processing, compressed sensing, digital communications and networks)

SUBMISSION PROCEDURE:

Prospective authors should e-mail the *pdf* file of their full manuscript with a cover message in plain text to one of the guest editors. Instructions for authors are available on the web:

`http://www.ybook.co.jp/online/forauthors.htm`

SCHEDULE:

- Manuscript due: Sept 1, 2011
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- Second round review: May 1, 2012
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- Final material to the publisher: July 1, 2012