

Anjos, Miguel F.; Lasserre, Jean B.

Introduction to semidefinite, conic and polynomial optimization. (English) Zbl 1334.90095

Anjos, Miguel F. (ed.) et al., Handbook on semidefinite, conic and polynomial optimization. New York, NY: Springer (ISBN 978-1-4614-0768-3/hbk; 978-1-4614-0769-0/ebook). International Series in Operations Research & Management Science 166, 1-22 (2012).

Summary: Conic optimization refers to the problem of optimizing a linear function over the intersection of an affine space and a closed convex cone. We focus particularly on the special case where the cone is chosen as the cone of positive semidefinite matrices for which the resulting optimization problem is called a semidefinite optimization problem.

For the entire collection see [\[Zbl 1235.90002\]](#).

MSC:

90C22 Semidefinite programming

90-01 Introductory exposition (textbooks, tutorial papers, etc.) pertaining to operations research and mathematical programming

Cited in **8** Documents

Software:

[Sostools](#); [GloptiPoly](#); [SparsePOP](#)

Full Text: [DOI](#)

References:

This reference list is based on information provided by the publisher or from digital mathematics libraries. Its items are heuristically matched to zbMATH identifiers and may contain data conversion errors. It attempts to reflect the references listed in the original paper as accurately as possible without claiming the completeness or perfect precision of the matching.