

Davis matrices of sections and projections of polyhedral cones

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Abstract

In 1952, in the first of several interesting papers written by him on convexity, Chandler Davis described a class of matrices having a useful property and proved a couple of (rather trivial) statements (about which he proclaimed surprise that they were new). In this talk another such (trivial) result will be described, shedding some additional light on the problem of finding sections and projections of convex polyhedra and polytopes.

Keywords: convexity, convex polyhedra, polytopes.