
MAHMOUD MANJEGANI, Isfahan University of Technology and University of Regina
Hadamard Powers of Totally Positive Matrices

Let $A = (a_{ij})$ be a totally positive $n \times n$ matrix. Is the $A^{(\alpha)}$ totally positive? In this talk we try to show that under some conditions on α the Hadamard power $A^{(\alpha)}$ is totally positive.

(Joint work with Shaun M. Fallat)