A REAL COUNTEREXAMPLE TO TWO INEQUALITIES INVOLVING PERMANENTS

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Abstract. The objective of this article is to provide a counterexample to the permanent version of Oppenheim’s inequality using real symmetric matrices. This also provides a counterexample to the permanent on top conjecture for real symmetric positive semidefinite matrices.


Keywords and phrases: Permanent, Hadamard product, Oppenheim’s inequality, permanent on top.

REFERENCES