Reverse Young and Heinz inequalities for matrices

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[Fuad Kittaneh](https://www.researchgate.net/profile/Fuad_Kittaneh)

· University of Jordan

 [Yousef Manasrah](https://www.researchgate.net/profile/Yousef_Manasrah)

· Al-Zaytoonah University of Jordan

**ABSTRACT**

We give reverses of the classical Young inequality for positive real numbers and we use these to establish reverse Young and Heinz inequalities for matrices.