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Tin-Yau Tam* (tamtiny@auburn.edu), Mathematics and Statistics, 221 Parker Hall, Auburn University, Auburn, AL 36849-5310. *A. Horn's result on matrices with prescribed singular values and eigenvalues*. Preliminary report.

We give a new proof of a classical result of A. Horn on the existence of a matrix with prescribed singular values and eigenvalues. (Received September 20, 2010)