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New Inequalities Between Elementary Symmetric Polynomials

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Abstract:	New families of sharp inequalities between elementary symmetric polynomials are proven. We estimate σ_{n-k} above and below by the elementary symmetric polynomials $\sigma_{n-k+1}, \ldots, \sigma_n$ in the case, when x_1, \ldots, x_n are non-negative real numbers with sum equal to one.
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