

Herbert Stahl's proof of the Bessis, Moussa and Villani Conjecture

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A short proof of the following theorem will be given: *Let A and B be two Hermitian matrices, and B is positive semi-definite. Then the function*

$$f(t) = \text{Trace} e^{A-tB}$$

is totally positive, which means that f is the Laplace transform of a positive measure on the positive ray.