

# The Virozub–Matsaev Condition and Spectrum of Definite Type for Self-Adjoint Operator Functions

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The Virozub–Matsaev condition for self-adjoint operator functions and its relation to spectrum of positive type are discussed. The Virozub–Matsaev condition, e.g. implies the existence of a spectral function with nice properties. We consider, in particular, sufficient conditions and its connection with the numerical range.