



MULTITAPER SPECTRAL ESTIMATION: A GENERALIZED WINDOWS APPROACH (WedAmOR1)

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✳ **Abstract :** A generalization of the multitaper spectral estimator is formulated and is shown to be equivalent to a generalized two dimensional window, which allows a setting for nonstationary spectral estimation. The stationary case is specified as its restriction to a line in the two dimensional frequency plane. The formulation brings new tapers into consideration, and two of them are proposed and compared to the commonly used Slepian and sine-tapers.