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This work presents the connection in power spectral density (PSD) indices found between simulated leptonic multi-wavelength blazar variability and the stochastic variations used to produce it. Variations for power law spectra of multiple indices and varying parameters were tested. The simulated multi-wavelength results' PSD spectra contained no breaks related to cooling time scales of leptonic radiation processes. Additionally the results show all tested indices were reduced to a power law with a single index across all considered wavelengths. Stochastic variations using broken power law spectra were also tested and yielded similar results.

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