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Computing the Power Spectrum Super Sample Covariance for LIM Surveys

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The super sample covariance (SSC) appears in the form of a mode coupling for modes larger than the survey volume and modes inside the survey. Since typical line intensity mapping (LIM) surveys have limited sky coverage we believe that the contribution of the SSC to the covariance is non-negligible. We will present a mathematical framework to compute the theoretical SSC for the LIM power spectrum.

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