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Constructing unbiased estimator for CMB polarizations in the optimal way

Saturday, 7 September 2019 15:20 (15 minutes)

In this talk, I will introduce the method to restruct the unbiased estimators of CMB polarizations with the method a quadratic maximum likelihood (QML), and how to combine it with the E-B separation methods. By simulations, we study the uncertainties of these estimators, and the possible E-B leakages. By comparing with the results of pseudo-Cl methods, we show the necessity of QML in the low multiplied.

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