

Likelihood-approximations for large-scale CMB data

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Upcoming large angular scale CMB surveys aim at measuring the scalar-to-tensor ratio r , to determine the energy scale of inflation, and the optical depth to reionization τ . To measure these systematics and noise dominated signals, flexible likelihood approximation techniques are required. We present novel methods from likelihood approximations to likelihood-free inference techniques and improved systematics modelling for CMB surveys.

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