## Topology of Cosmic Microwave Background Anisotropy from QMAP and SASK Experiments

Changbom Park, Chan-Gyung Park

School of Earth and Environmental Science (Astronomy Program), Seoul National University, Seoul, 151-742 Korea

We have studied topology of the cosmic microwave background (CMB) anisotropy from two medium scale CMB experiments, QMAP and SASK. The two-dimensional genus is measured from the noise-supressed Wiener-filtered CMB maps at the angular scale of about  $1^{\circ}.5$ . To test the Gaussianity of the observed CMB anisotropy, we have made 50 Wiener-filtered mock survey maps for each experiment in a Gaussian  $\Lambda$  CDM cosmological model. We have found that the genus curves of two observed CMB maps are consistent with the Gaussian random phase field.