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The CMB anomalies: a brief review

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We perform a brief review of the cosmic microwave background (CMB) anomalies,
a set of interesting features detected in the COBE, WMAP, and Planck satellites data, features that when compared to statistically isotropic CMB simulations have very low probability to happen.
These features include: the low CMB quadrupole, the low CMB angular correlations at large scales, the North-South asymmetry, among others.
We also discuss a possible explanation for these anomalous phenomena, namely the possibility that our Universe is not isotropic but it is better represented by a 3-space with one dimension topologically identified, termed the Slab space (such identification defines one preferred direction in the 3-space).

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