
Statistical Signatures of Relativistically Beamed Gamma-Ray Bursts

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There exist Euclidean subsamples of gamma-ray bursts (GRBs) which have a large $\langle V/V_{\max} \rangle$ statistic. This implies some fraction of GRBs could be distributed in a local Euclidean universe. If beaming is sufficiently dominant, however, the Euclidean features of observed data can be naturally reproduced. Some recent GRBs may be strongly beamed, which indirectly supports the possibility of statistical beaming signatures. A power-law luminosity distribution can also produce similar results.