

Fermi all-sky gamma-ray analysis with pointlike

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The Fermi-LAT instrument differs in a fundamental way from its predecessors, particularly EGRET, in having a much larger field of view and energy range. With also having a much larger effective area, the data volume is also substantially larger. The design of pointlike took these factors into account in contrast to the more standard software tools based on the EGRET experience. I will explain this, and discuss the object-oriented design. While the basic parameter optimization is for local patches of sky, an important extension is an iterative all-sky analysis.

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