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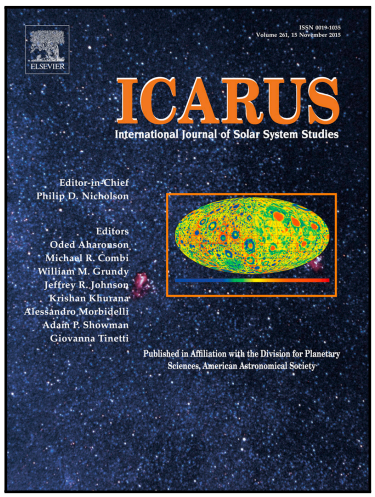

Generating realistic synthetic meteoroid orbits

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Highlights

- A method for generating synthetic sporadic meteoroid orbits is proposed.
- The method uses Kernel Density Estimation to model the sporadic background.
- The model is built using an existing meteoroid dataset of sporadic orbits.
- The model preserves the biases of the system the data was taken with.

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