
Meteoroid streams

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Résumé

Meteoroid streams produce meteor showers (a.k.a. shooting stars). They evolve in the Solar System as dense swarms revolving around the Sun. When the Earth encounters zone of the streams, the usual risk of collision is multiplied by 3 to 3 orders of magnitude. They represent a threat for artificial satellites because of their space density and very high velocity. We will see how such events are forecasted and which mitigation solutions were implemented so far. Two practical exercises are proposed:
-determination of the length of a meteor
-example of meteor eyewitness report

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