

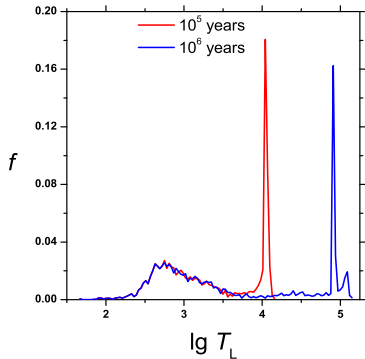
Planetary dynamics in the α Centauri system: Lyapunov spectra and long-term behaviour

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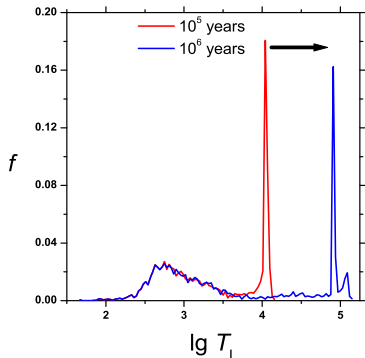
Pulkovo Observatory of the Russian Academy of Sciences

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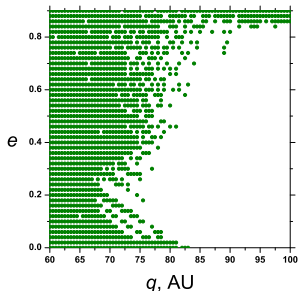
Example of the Lyapunov time histograms. The narrow peak correspond to the regular trajectories and the scattered band corresponds to the chaotic motion.



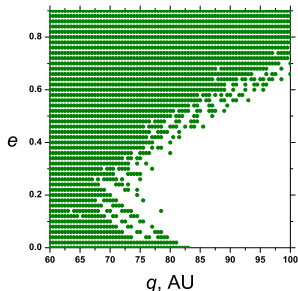
Example of the Lyapunov time logarithm histograms. The narrow peak correspond to the regular trajectories and the scattered band corresponds to the chaotic motion.



Example of the stability diagram for the “escape-collision” criterion.



Example of the stability diagram for the Lyapunov exponent criterion.



The chaotic orbits are shown in green.

Thank you!