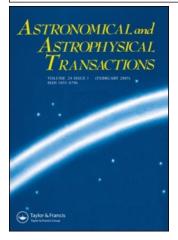
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#### Classical gravityphysics (instabilities, chaos, structures) A. M. Fridman<sup>a</sup>

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### CLASSICAL GRAVITYPHYSICS (INSTABILITIES, CHAOS, STRUCTURES)<sup>†</sup>

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The following topics are discussed in the review:

- 1. Theory of instabilities of the classical figures of equilibrium (linear approximation).
- 2. Non-linear waves, solutions.
- 3. Solitary vortices, dipole vortices (modons).
- 4. Fractals, dynamic chaos, turbulence.

KEY WORDS Gravityphysics - general

<sup>&</sup>lt;sup>†</sup>Proceedings of the Conference held in Kosalma