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### Classical gravityphysics (instabilities, chaos, structures)

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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

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