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Stability of generalized polytropic models. (English) [Zbl 1431.83031](#)

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MSC:

- 83C22 Einstein-Maxwell equations
- 83C15 Exact solutions to problems in general relativity and gravitational theory
- 85A15 Galactic and stellar structure
- 83C55 Macroscopic interaction of the gravitational field with matter (hydrodynamics, etc.)
- 76E20 Stability and instability of geophysical and astrophysical flows
- 83C75 Space-time singularities, cosmic censorship, etc.
- 76Y05 Quantum hydrodynamics and relativistic hydrodynamics

Keywords:

generalized polytropic models; local density perturbations; cracking

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