

## **A dynamic model of spherical perturbations in the Friedmann universe. III. Self-similar solutions**

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### **Abstract**

A class of exact spherically symmetrical retarded self-similar solutions linearized around the Friedmann background of the Einstein equations is derived and examined for an ideal liquid with an arbitrary barotropy index. © 2009 Springer Science+Business Media, Inc.

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### **Keywords**

Boundary value problem, Cosmology, Gravitation theory, Spherical perturbation theory