

A UNIFORM-DENSITY FLUID SPHERE  
IN GENERAL RELATIVITY

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S u m m a r y

The work is concerned with the nonstatic model of a spherically symmetric distribution of matter in general relativity. Matter is represented by a perfect fluid with uniform energy density. The fluid sphere is assumed to be bounded by the empty space. All the possible types of evolution for a large class of models are found. New specific models are constructed and investigated.