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## HALTING OF COLLAPSE FOR A SPHERICALLY SYMMETRIC OBJECT BY INDUCTION OF CHARGE

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## Abstract

An interior solution for spherically symmetric perfect fluid with charge of Einstein - Maxwell equations is presented. The physical 3 - space t = constant of our solution is spheroidal. An approximation procedure is used to get a generalization of the standard Oppenheimer-Snyder model of collapse, which represents that collapse can be halted. Stability of larger objects is also discussed in comparison of smaller objects.

Key Words: Collapse, Charge, Pressure, Mass.

Mathematics Subject Classification : 04C20

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