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Abstract: The present paper deals with the flow of a conducting viscoelastic incompressible fluid through a non-conducting annulus with

UNIFORM SUCTION AND INJECTION UNDER A RADIAL MAGNETIC FIELD. THE SE-
RIES SOLUTIONS FOR VELOCITY AND MAGNETIC FIELDS HAVE BEEN OBTAINED AND
THE EFFECTS OF VICOELASTIC PAPRAMETERS HAVE BEEN DISCUSSED. IT HAS BEEN
FOUND THAT THE EFFECT OF APPLIED MAGNETIC FIELDS IS TO DECREASE THE VIS-
COELASTIC EFFECT AND IN THE ABSENCE OF SUCTION OR INJECTION, VISCOELASTIC
FLUIDS BEHAVE AS AN ORDINARY VISCOUS FLUID.

D. Suryanarayana

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