

## Part I

# ABSTRACT

Some implications and consequences of the expansion of the universe are examined. In **Chapter 1** it is shown that this expansion creates grave difficulties for the Hoyle-Narlikar theory of gravitation. **Chapter 2** deals with perturbations of an expanding homogeneous and isotropic universe. The **conclusion** is reached that galaxies cannot be formed as a result of the growth of perturbations that were initially small.

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