

Kinetics of small disturbances in an isotropic universe II. Short-wave disturbances in an ultrarelativistic gas

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Abstract

Short-wave gravitational disturbances are considered in an isotropic, expanding universe, filled with an ultrarelativistic gas. Solutions are obtained for scalar, vector, and tensor disturbances in the limit $n\eta \gg 1$, where n is the wave vector and η is the time coordinate x^4 . © 1978 Plenum Publishing Corporation.

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