

# Primordial black holes as solution of the problems of dark matter and reionization of the Universe

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We show possibility of reionization of the Universe at redshifts  $z = 5-10$  due to radiation of primordial black holes. The mass distribution is obtained in the framework of a specific model of their formation as a result of phase transitions in the early Universe. Hawking radiation is assumed to be ionization source.

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