

**Properties of solutions of hyperbolic equations
in the curved space-times**

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In this talk we describe some quantitative and qual-
itative properties of the solutions of hyperbolic equa-
tions in the curved space-times. This properties are
obtained by representation formulas written via the in-
tegral transform approach that was developed by the
author. Special attention is given to the solutions of
the linear and semilinear equations in the FLRW space-
times.