A study on timelike sweeping surfaces and singularities in Minkowski 3-Space {E}_{1}^{3}

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Abstract

The main aim of this paper is the use of the rotation minimizing frame for the singularity type classification of timelike sweeping surface in Minkowski 3–Space $\mathbb{E}_{1}^{3}$. Then, we give conditions for a timelike sweeping surface to be developable ruled surfaces. To apply and illustrate the main results, some examples are given.%

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