
The conformal screen lightlike hypersurfaces of the 4-dimensional Lorentz-Minkowski space $\mathbb{R}_1^4$ satisfying $\Delta x = Ax + B$

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Let $x : M \rightarrow \mathbb{R}_1^4$ be a lightlike hypersurface in the 4-dimensional Lorentz-Minkowski space $\mathbb{R}_1^4$. Our main in this paper is to study the conformal screen lightlike hypersurfaces verifying the equation $\Delta x = Ax + B$, where A is an endomorphism of $\mathbb{R}_1^4$ and B is a constant vector in $\mathbb{R}_1^4$.

Mots-clés: Lightlike hypersurfaces, Conformal screen, Parallel screen shape operator