

**Conformal screen lightlike hypersurfaces of the Lorentz space
with constant sectional curvature verifying $\Delta \mathbf{x} = A\mathbf{x} + L$**

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Let $x : M \rightarrow \bar{M}_1^4(c) \subset \mathbb{R}_q^5$ be an isometric immersion in the 4-dimensional Lorentz space with constant sectional curvature.

Our main aim is to classify the lightlike hypersurfaces verifying the condition

$$\Delta \mathbf{x} = A\mathbf{x} + L,$$

where A is an endomorphism of $\mathbb{R}_q^5$ and L is a constant vector in $\mathbb{R}_q^5$.

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