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Null 2-type space-like submanifolds of E_t^5 with normalized parallel mean curvature vector.

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Summary: The purpose of this article is to classify 3-dimensional null 2-type space-like submanifolds of the pseudo-Euclidean space E_t^5 which are constructed from the eigenfunctions of the Laplacian with two eigenvalues 0 and nonzero constant λ , under certain assumptions.

MSC:

[53A35](#) Non-Euclidean differential geometry

[53C40](#) Global submanifolds

Cited in **2** Documents

Keywords:

[null 2-type submanifold](#); [scalar curvature](#); [mean curvature vector](#); [eigenfunctions](#); [Laplacian](#)

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