

**GEOMETRY OF A DOUBLY CANAL
HYPERSURFACE
IN THE EUCLIDEAN SPACE \mathbb{E}^n**

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We consider a multidimensional analog in \mathbb{E}^n to Dupin cyclides, that is, surfaces whose principal curvatures are constant along the corresponding principal directions. We study doubly canal hypersurfaces, i. e., hypersurfaces having two principal curvatures of multiplicities p and q with $p + q = n - 1$.

Key words and phrases: Dupin cyclide, canal hypersurface, Euclidean space.

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