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AN EXAMPLE OF ROTATIONAL HYPERSURFACE
IN \mathbb{R}^{n+1} WITH INDUCED IP METRIC FROM \mathbb{R}^{n+1}

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We find a rotated hypersurface M^n whose induced metric from \mathbb{R}^{n+1} is isometric to metric of IP manifolds and therefore the hypersurface is conformally flat. In the case of 4-dimensional hypersurface with IP metric we have presented explicitly a skew-symmetric curvature operator and have proved directly that its eigenvalues are point-wise. We find the mean curvature of the hypersurface.

Keywords: IP manifolds, curvature operator, rotated hypersurfaces

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