WIJSMAN STATISTICAL CONVERGENCE OF DOUBLE SEQUENCES OF SETS

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Abstract: In this paper, we study the concepts of Wijsman statistical convergence, Hausdorff statistical convergence and Wijsman statistical Cauchy double sequences of sets and investigate the relationships between them.

Keywords: Statistical convergence, double sequence of sets, Wijsman convergence, Hausdorff convergence.

ROTATIONAL HYPERSURFACE IN 4-SPACE

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Abstract: We consider rotational hypersurface in the four dimensional Euclidean space. We calculate the mean and the Gaussian curvature, and some relations of the rotational hypersurface. Moreover, we give the Laplace-Beltrami operator of the rotational hypersurface.

Keywords: Laplace-Beltrami operator, Rotational hypersurface, Gaussian curvature, mean curvature.