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GENERATION OF HILBERT AND METRIC SPACES FOR THE DEMONSTRATION OF LINGUISTIC VARIATIONS

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Abstract

The present attempt deals with the generation of metric and Hilbert spaces for language aspects. Diaphatic, diatopic and diastratal linguistic variations have been exhibited in the form of regular, normal and compact spaces respectively. Some properties of metric spaces prevalent in their classical arena have been proved for the generated linguistic spaces.

Key Words: Metric, Linguistic variations, Normal space, Regular space.