

A new construction of ruled surfaces with constant Disteli-axis in the dual 3-space D^3

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Abstract

In this study, we construct ruled surfaces whose Disteli-axis is constant in dual 3-space D^3 . Then we attain a general system characterizing these surfaces, and also give characterizations for a ruled surface to get a constant Disteli-axis. As a result, the ruled surface formed by a line undergoing a screw motion is investigated.

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