

Solids and surfaces of revolution in GeoGebra

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Abstract: We present the application tool for demonstration of the Riemannian definite integral based on decomposition of a given solid onto the elementary cylinders and their surfaces of revolution in GeoGebra. The tool is presented in the form of worksheets with detailed commentary for the reader. This tool may support students' imagination.

Keywords: GeoGebra, Riemannian definite integral, solids of revolution, surfaces of revolution.