THE GENUS OF SEMIGRAPHS

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Abstract

Semigraph is a new type of generalization of graph theory presented by E. Sampathkumar who has been successful in deriving parallels of a large number of concepts of Graph Theory to Semigraph Theory along with a number of new interesting and powerful concepts which are expected to open up more scopes for application of graph theory. This paper deals with the determination of genus, a topological invariant for different types of semigraphs on a compact orientable 2-manifold surface. The paper also deals with the definition and a small result about the generator of a face of relevant surfaces.

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