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## GRAPH THEORY AND ITS APPLICATIONS

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mathematics, graph theory is the study of graphs, which are mathematical structures used to model pairwise relations between objects. A graph in this context is made up of vertices, nodes, or points which are connected by edges, arcs, or lines. A graph may be undirected, meaning that there is no distinction between the two vertices associated with each edge, or its edges may be directed from ... In mathematics, and more specifically in graph theory, a graph is a structure amounting to a set of objects in which some pairs of the objects are in some sense "related". The objects correspond to mathematical abstractions called vertices (also called nodes or points) and each of the related pairs of vertices is called an edge (also called an arc or line)., eBook: (80% off)

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Fig. 1.7 A phasor  $E$ , that can represent the voltage impressed on a circuit. The phasor is made of a vector with magnitude proportional to the magnitude of  $E$ , rotating at a constant rotational speed  $\hat{I} \%$ ., Additionally, the assignment of a value to the concept of Charge is purely arbitrary. But once assigned, it fixes the values for all systems.

This initial arbitrariness is a reason for why the  $\hat{I} \%$  bare electric charge  $\hat{I} \%$  of a particle, like the electron, must be inserted into our current Standard Model of particle physics., Special Issue on the Third International Symposium on Groups, Algebras and Related Topics Celebrating the 50th Anniversary of the Journal of Algebra

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