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concerned with networks of points connected by lines the  
subject of graph theory had its beginnings in  
recreational math problems see number game but it has  
grown into a significant area of mathematical research  
with applications in chemistry operations research social  
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used to represent different types of networks then he  
described how networks are modeled to investigate  
problems related to network protocols finally he  
presented some of the tools used to generate graph for  
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graphs and directed graphs digraphs even though both  
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reasons undirected graphs have been studied much more  
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theory is used in vast area of science and technologies  
some of them are given below 1 puter science in puter  
science graph theory is used for the study of algorithms  
like dijkstra s algorithm prims s algorithm kruskal s  
algorithm graphs are used to define the flow of putation  
graphs are used to represent networks of munication'

**'real world applications of graph theory**

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st john school 8th grade math class february 23 2018 dr  
dave gibson professor department of puter science  
valdosta state university 2 what is a graph a graph is a  
collection of nodes and edges a graph is also called a  
network'

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April 15th, 2020 - because of its inherent simplicity  
graph theory has a wide range of applications in  
engineering and in physical sciences it has of course  
uses in social sciences in linguistics and in numerous  
other areas'

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students in all areas that'

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applications of graph theory in modern society is an  
essential reference source that discusses recent  
developments on graph theory as well as its

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representation in social networks artificial neural networks and many plex networks the book aims to study results that are useful in the fields of robotics and machine learning and will examine different engineering issues that are closely related to fuzzy graph theory'

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June 5th, 2020 - wei jin is a first year ph d student of puter science and engineering at michigan state university msu supervised by dr jiliang tang his interests lie in graph representation learning now i work on the area of graph neural network including its theory foundations model robustness and applications'

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June 4th, 2020 - applications on graph theory n vedavathi 1 dharmaiah gurram1 1 asst professor in mathematics k l university a p 522502 abstract the field of mathematics plays very important role in different fields one of the important areas in mathematics is graph theory which is used in structural models'

'**applications of graph theory in finance**

June 3rd, 2020 - graph theory clearly has a great many

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potential applications in finance it is especially useful as a means of providing a graphical summary of data sets involving a large number of plex interrelationships which is at the heart of portfolio theory and index replication'

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impact in various fields and is growing large now a days  
the subsequent section analyses the applications of graph  
theory especially in puter science algorithms and graph  
theory the most important role of graph theory in puter  
applications is the growth of graph

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June 5th, 2020 - here we need to consider a graph where  
each line segment is represented as a vertex now two  
vertices of this graph are connected if the corresponding  
line segments intersect now this graph has 9 vertices the  
degree of each vertex is 3 we know that for a graph sum  
of degrees of all vertices 2 number of edges in the  
graph'

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theory can be difficult to understand graph theory  
represents one of the most important and interesting  
areas in puter science but at the same time it s one of  
the most misunderstood at least it was to me'

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edition is the latest edition of the international  
bestselling textbook for undergraduate courses in graph  
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