

discrete mathematical structures for pdf

Discrete mathematics is the study of mathematical structures that are fundamentally discrete rather than continuous. In contrast to real numbers that have the property of varying "smoothly", the objects studied in discrete mathematics – such as integers, graphs, and statements in logic – do not vary smoothly in this way, but have distinct, separated values.

Discrete mathematics - Wikipedia

Definitions. Definitions in graph theory vary. The following are some of the more basic ways of defining graphs and related mathematical structures.. Graph. In one very common sense of the term, a graph is an ordered pair $G = (V, E)$ comprising a set V of vertices, nodes or points together with a set E of edges, arcs or lines, which are 2-element subsets of V (i.e., an edge is associated with ...

Graph (discrete mathematics) - Wikipedia

Abstract: We consider an attraction-repulsion chemotaxis model coupled with the Navier-Stokes system. This model describes the interaction between a type of cells (e.g., bacteria), which proliferate following a logistic law, and two chemical signals produced by the cells themselves that degraded at a constant rate.

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Discrete mathematics is the study of mathematical structures that are discrete rather than continuous. In contrast to real numbers that vary "smoothly", discrete mathematics studies objects such as integers, graphs, and statements in logic. These objects do not vary smoothly, but have distinct, separated values. Discrete mathematics therefore excludes topics in "continuous mathematics" such as ...

Discrete mathematics - Simple English Wikipedia, the free

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Mathematics by Classifications

Comments: 27 pages. Most results were obtained over a year ago and have been widely disseminated

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