Discrete Mathematics: Graphs Theory

Types of Graphs

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Types of Graph

- Bipartite Graphs
- Path Graphs
- Cycle Graphs
- Null Graphs

Bipartite Graphs

- A bipartite graph is a graph whose vertex-set can be split into two sets in such a way that each edge of the graph joins a vertex in first set to a vertex in second set.

Path Graphs

- A path graph is a graph consisting of a single path.
- The path graph with n vertices is denoted by P_n.

Cycle Graphs

- A cycle graph is a graph consisting of a single cycle.
- The cycle graph with n vertices is denoted by C_n.

Null Graphs

- A null graphs is a graph containing no edges.
- The null graph with n vertices is denoted by N_n.

END