Walks, trails, circuits, paths, and cycles

A walk in an undirected graph:

a walk from Vo to V; in an undirected graph G is a sequence of alternating vertices and edges that starts with vertex Vo and ends with vertex Vi

Notation:

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the length of a walk is equal to the \$\pm of edges in the walk an open walk is a walk where \$10 = \fo \in \text{y};

a closed walk is a walk where \$10 = \fo \in \text{y};

a trail is an open walk in which no edge repeats

a circuit is a closed walk in which no edge repeats

a path is a trail in which no vertex repeats

a yale is a circuit of length \$\geq 1\$ in which no vertex repeats