

Euler Tour

A graph G is called Eulerian if it is connected and the degree of every vertex is an even number. It is known that such graphs always have a tour (a cycle that may not be simple) that goes through every edge of the graph exactly once. Such a tour (sometimes called a circuit) is called an Euler tour. If the graph is connected, and it has exactly 2 nodes of odd degree, then it has a Euler Path connecting these two nodes, that includes all the edges of the graph exactly once. In this project, write code that finds a Euler tour or a Euler Path in a given graph.

We tried to find the find the Euler path in a Graph which contains more than a Million Edges and it takes less than 10 seconds to find the Euler Tour.