TITLE OF INVENTION: METHOD AND APPARATUS FOR PROCESSING A GRAPH

ABSTRACT

The present disclosure relates generally to a method and apparatus for processing a graph comprising a plurality of nodes and a plurality of edges, each of the plurality of edges connecting two of the plurality of nodes and relating to one of a plurality of connection types, the method comprising: for each of the plurality of connection types, determining an edge feature difference between an edge feature of one of the plurality of edges relating to the each of the plurality of connection types and a reconstructed edge feature generated from the edge feature; calculating an anomaly score representing a degree of abnormality from the edge feature difference; and detecting an anomaly in the graph in response to determining that the anomaly score exceeds a threshold anomaly score indicating a presence of an anomaly.

[Figure 5]