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(57) Abstract :
Exemplary embodiments of the present disclosure are directed towards a system and method for fast convergence in IP networks of avoiding transient loops and packet loss by reverse shortest path tree using spanning tree algorithm of the graph. The system comprises a link state routing protocols module comprising at least one node connected to at least two other nodes by means of at least one link connected between the two nodes. The system further comprises a shortest path computing module configured for avoiding a plurality of transient loops and a packet loss between the nodes. The shortest path computing module comprises at least one fast reroute module and at least at least one reverse shortest path computing module.

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