











has offered a better global solution. Furthermore, it saves both processing time and machine memory and delivers the most optimal performance.

The next part deals with improving security. In the simple case, We see that the actual power of the slack bus, the power factor of the bus voltage, the stream voltage magnitude and the power from the branches are within the boundaries. However, some of the lines get overwhelmed when there are line outages. FACTS devices are included to alleviate the overloading of lines. The lines are rescued from overloading by proper placement of TCPS and hence the severity index is obtained to be zero.

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