

## **Abstract Details**

**Title:** Fault Location in Transmission Lines using Artificial Neural Network

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**Abstract:** Fault in transmission lines is common and major problem to deal with in this stream. This paper presents a technique to detect the location of the different faults on a transmission lines for quick and reliable operation of protection schemes. Fault detection, fault classification and fault location have been achieved by using artificial neural networks. Feed forward networks have been employed along with back propagation algorithm for each of the three phases in the Fault location process.

**Keywords:** Artificial Neural Networks, fault, learning, Back-propagation Algorithm.