

## Study of Induced Voltage in Parallel Transmission Line 230 kV Using EMTDC

Chanuan Uarkarn

Danai Liswadiratanakul.,Ph.D

Ekachai Prommas

### Abstract

This paper presents the study of induced voltage on parallel transmission line 230 kV by using EMTDC program. 3 Transmission lines in a case study between sending-end to receiving-end : 1. Bang - Pakong substation to Nong-Chok substation, 2.Nong-Chok substation to On-Nut substation, 3. On-Nut substation to Bang-kapi substation. Induced voltages on parallel transmission line for prevent damage and enhance safety of system confidant to operators while maintains transmission system in many circuits' close areas.

**Keyword:** *Induced voltage, System confidant, and Operation safety*