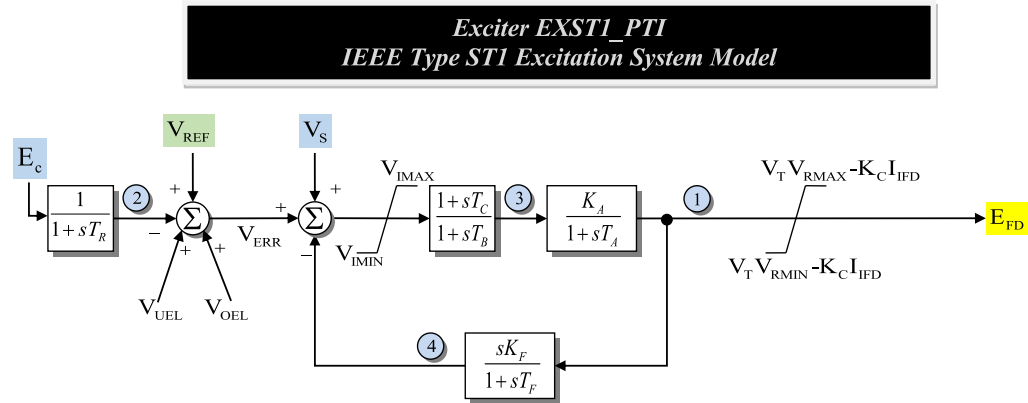Open topic with navigation

Transient Stability Add-On (TS) > Transient Models > Generator > Exciter > EXST1_PTI

Exciter Model: EXST1_PTI

AutoCorrection Properties

Model Equations and/or Block Diagrams

Exciter EXST1_PTI

States

1 - E_{FD} before limit

2 - Sensed V_t

3 - V_{LL}

4 - V_F

Model supported by PSSE

Parameters:

Tr	Filter time constant, sec
ViMax	Maximum error, pu
ViMin	Minimum error, pu
Tc	Lag time constant, sec
Tb	Lead time constant, sec
Ka	Gain, pu
Ta	Voltage regulator time constant, sec
Vrmax	Maximum control element output, pu
Vrmin	Minimum control element output, pu
Kc	Rectifier regulation factor, pu
Kf	Rate feedback gain, pu
Tf	Rate feedback constant, sec

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