

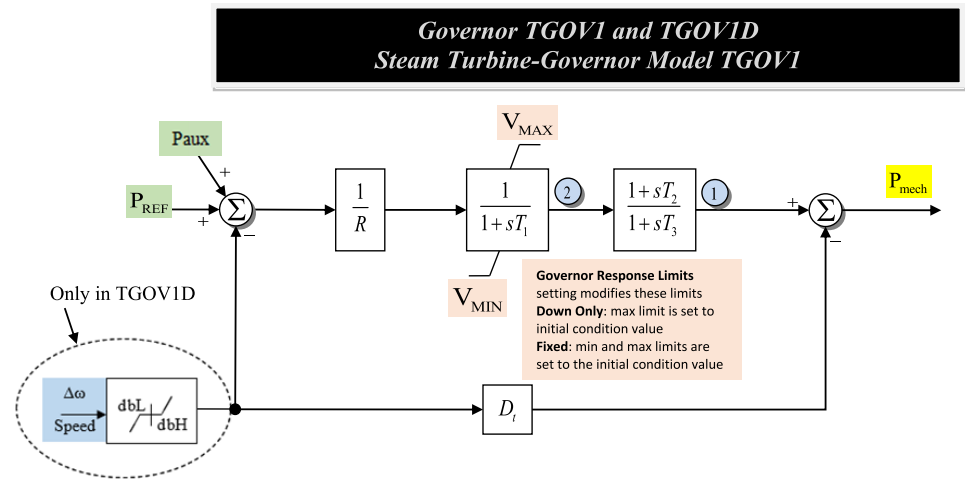
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Governor Model: TGOV1 and TGOV1D

AutoCorrection Properties  
Model Equations and/or Block Diagrams

Governor TGOV1 and TGOV1D



footnotes:

Input and Outputs are on the Trate base.  
If Trate = 0, then machine MVABase is used.

States

- 1 - Turbine Power
- 2 - Valve Position

Model supported by PSLF  
Model supported by PSSE

Parameters for TGOV1:

Trate	Turbine rating, MW
R	Permanent droop, pu
T1	Steam bowl time constant, sec
Vmax	Maximum valve position limit
Vmin	Minimum valve position limit
T2	Numerator time constant of T2, T3 block, sec
T3	Reheater time constant, sec
Dt	Turbine damping coefficient, pu

Parameters for TGOV1D:

R	Permanent droop, pu
T1	Steam bowl time constant, sec
Vmax	Maximum valve position limit
Vmin	Minimum valve position limit
T2	Numerator time constant of T2, T3 block, sec
T3	Reheater time constant, sec
Dt	Turbine damping coefficient, pu
dbH	Deadband High (pu)
dbL	Deadband Low (pu)
Trate	Turbine rating, MW

