

Table 1.1 Generator Constants

	Thermal (NGT=2)	Nuclear (NGT=6)	Hydro (NGT=8)
X_d [p.u.]	1.70	1.70	1.20
X_q [p.u.]	1.70	1.70	0.72
X_d' [p.u.]	0.35	0.38	0.35
X_d'' [p.u.]	0.25	0.28	0.26
X_q'' [p.u.]	0.25	0.28	0.26
T_d' [sec]	1.00	1.50	2.60
T_d'' [sec]	0.03	0.03	0.05
T_q'' [sec]	0.03	0.03	0.05
T_a [sec]	0.40	0.40	0.30
X_L [p.u.]	0.225	0.252	0.234

(Notes 1)

M : Generator Inertia Constant

NGT : Generator Models in CRIEPI's Y-method

T_a : Armature Time Constant

(Notes2)

The unit of the reactance in on machine base [p.u.]