



$n_x$  = node numbers  
 $b_x$  = branch numbers

Where

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l(b1) <+ lgs;
l(b2) <+ lgd;
l(b3) <+ lds;
l(b3) <+ ddt(Qds);
l(b4) <+ ddt(Qgs);
l(b5) <+ Area*V(b5)/Rin;
l(b6) <+ ddt(Qgd);
l(b7) <+ V(b7)/Rg;
l(b8) <+ Area*V(b8)/Rd;
l(b9) <+ Area*V(b9)/Rs;
fourkt = 4.0 * P .. K*T2
Ids_n = l(b3) <+ white_noise(thermal_pwr, "thermal")+
       flicker_noise(flicker_pwr, 1.0, "flicker")
lRg_n = l(b7) <+ white_noise(Area*fourkt/Rg..T2, "thermal")
lRd_n = l(b8) <+ white_noise(Area*fourkt/Rd..T2, "thermal")
lRs_n = l(b9) <+ white_noise(Area*fourkt/RS..T2, "thermal")

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Values for thermal\_pwr and flicker\_pwr are given in the text.