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Cover

The current decay model during the current quench was validated in the high poloidal beta disruptions of JT-60U. These figures show typical waveforms of (a) plasma current, I_p, (b) profile of electron temperature, T_e, (c) plasma inductance, L_p, and (d) internal inductance, l_i, and poloidal beta, b_p. In the initial phase of current quench, it was found that the current density profile changed broad to peaked shape, and the current decay time predicted by a modified L/R model, in which the time derivative of plasma inductance was considered, was in good agreement with the experimental current decay time. (Yoshihide SHIBATA *et al.,* Plasma and Fusion Research Vol. 6, 1302136 (2011) http://www.jspf.or.jp/PFR/)

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