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Locations of the JT-60SA poloidal field (PF) coils, in-vessel coils (FPPCC), and toroidal conducting elements in the equilibrium control simulator. The PF coils consist of four central solenoid (CS) modules and six equilibrium field (EF) coils. The four fixed points (A-D) were placed at a distance from the reference point. The imaginary magnetic field current is adjusted such that the total poloidal flux remains equal at the fixed points in the horizontal and vertical directions to solve the plasma equilibrium with the effects of eddy current in the simulator. (Yoshiaki MIYATA *et al.*, Plasma and Fusion Research Vol.7, 1405137 (2012) <http://www.jspf.or.jp/PFR/>)