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Magnet system of SPring-8 booster synchrotron

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The construction of the SPring-8 booster synchrotron was started in 1993. The synchrotron has a two-fold-symmetric lattice composed of 40 FODO cells. There are 30 normal cells and 2 straight sections in the synchrotron, which contains 64 bending magnets. The magnetic rigidities of the magnets were measured and adequate results were obtained. The power supply of the bending magnets, which is required to be operated following a trapezoid excitation-curve of the output current, is being constructed and tested now. This report presents the results of the magnetic-rigidity and the excitation-curve measurements.