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Transport and Magnetic Properties of ErNi2B2C W.C. LEE, Dept. of Physics. Sookmyung Women's Univ. Seoul 140-742, Korea — We measured the magnetization M(H,T) and magnetoresistivity ρ(H,T) of ErNi2B2C single crystal for magnetic fields perpendicular and parallel to the c-axis and with the current along the c-axis at low temperature regions. From the magnetoresistivity measurements with the current along c-axis, we constructed the H_{c2}(T) curves for magnetic perpendicular and parallel to the c-axis and those were compared for curves with the current perpendicular to the c-axis. Also we constructed a magnetic phase diagram only the magnetic field perpendicular to the c-axis

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