

Download Down To The Wire Mastering Physics

Learning Goal: To understand the magnetic force on a straight current-carrying wire in a uniform magnetic field. Magnetic fields exert forces on moving charged particles, whether those charges are moving independently or are confined to a current-carrying wire. You are given two circuits with two batteries of emf \mathcal{E} and internal resistance R_1 each. Circuit A has the batteries connected in series with a resistor of resistance R_2 , and circuit B has the batteries connected in parallel to an equivalent resistor. I'm learning Physics at the age of 70. Don't even ask me why. (Ask the Government.) I don't have time to explain. However, I'm studying Mathematics, the Wolfson DVD Physics Course, Wolfson's College Physics, co-authored with Andrew Rex and his Essential University Physics all at the same time. More Physics Games... Wiring. Rearrange High Voltage Wires for Maximum Amperage! Shine a light on the city by completing connections. Twist your wire blocks to make a complete line from left to right.