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Single-Stage Reluctance Type Coilgun The Coilgun Can Be Represented By A Simple RLC Circuit. First An Electrolytic Capacitor Is Charged With A Dc Supply When Switch S1 Is Closed. As The Capacitor Is Fully Charged The Switch 1 Is Turned Off And Switch S2 Is Closed And Capacitor Discharges Through The Coil. The Selection Jan 4th, 2024.

The Efficiency Of A Two-Stage Reluctance Accelerator ... Displayed In Fig. 3. The Coil Lengths Were 30mm And 45mm For The Stage 1 And Stage 2 Stator Solenoids, Respectively. The Length Of Coil 2 Was Increased In Order To Account For The Non-zero Velocity Of The Projectile At Coil 2, Assuming A Constant Pulse Discharge Time. A Length Of 150% Of Coil Jan 7th, 2024

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