



solid wire carrying uniform current I [corrent] correnat density = A [Area] &B. J. = MO I enc B(25/r) = 40(3)(A) r<K r>R 0 B(231) = 40 To 2 BC25/r) = MO (I) TO Area within the enclosed wire 3 9 J'= Total current Total Radius BB(290) HO (JR) ARE 300 = MOJO COMO LETET IN MI Solid wire with uniforms current density (B-d) = NOI [Assume 1] corrent]

density is given B[2717] - No [7] x (112) - princide the wire density = Mo(J) (JR2) - outside the loop



