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| | $T = D \times H$ |
|-----------------|--|
| Ans-1 | $Q \vec{J} = \Delta \times \vec{H}$ |
| | J= an ay az an ay az |
| | d/1 d/4 d/do = d/1 d/1 d/1 |
| | d/dn d/dy d/dz = d/dn d/dy d/dz |
| | An Ay Az yz (n2+y2) 1 4n2y2 |
| | (-n²y2) |
| | 949 × 4m9 |
| \mathcal{J} : | (d (4n2y2) - d(-ny22) Jan |
| | dy dy dz |
| | - d (yn2y2) - d y2 (n2+y2) ny |
| | $\frac{1}{dn}$ $\frac{1}{dz}$ |
| | |
| | t d (-ny2z) - d (y2 (n2ty2)) az dy |
| | 0 |
| J'z/ | 7-2 (4 (- 2)) (|
| | 8n2 y + ny2) 9n - (8ny2 - y (n2 +y2)) ay |
| | - (y²z+ (n²z+ 3yz²)) qz |
| | |
| (b) | T- 1- 11 |
| | $\overline{I} = \int I. ds$ |
| | |
| | [(on 2y + my 2) an - (8n2 -y (n2+y2)) ay |
| | $\frac{00}{90} - \frac{9^2z}{100} + \left(\frac{n^2z}{100} + \frac{3yz^2}{100}\right) q_2$ |
| | |
| 4 | = [(8n2y-ny2) dyd2 |
| | J J J J J J J J J J J J J J J J J J J |
| T | 12 12 |
| 1 | [(8y+y2) dydz |
| | J = (16 + 8)(2) = 37.33 A |
| | $J = (16 + 8)(2)^2 = 575577$ |

