

Solution

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Silu tion er & magnetizatum (2) Co Pinning Layer Tivo reasons: (> TN)

O alzin the atoms of

ATM (my) (Jalzh the grame of ferromental carist magnetiz V fee phase. (3)

magnetiz hard, uniaxial hep phose, free longer of sensor needs magneticall soft.

Not uniform.

1

(5)

(4)

V= 20 × 10 × 2 × (10) 5 cm3 7=300 K kg = 1.38 × 10 - 16 219/K $\frac{40 \times 1.38 \times 10^{-16} \times 300}{4 \times 10^{-19}} = 1.58 \times 10^{6}$

(2)