



5.21) Is Ampre's law consistors with the years rule Eq. 1.46 that shaper of earl 3 alongs suo. They that proper has anot be used enterile regretorities. Is there are below in the day 3 through exceptions, Angue's Lu $\nabla \times \vec{B} = M, \vec{5}$ construity $\nabla \cdot \vec{5} : -\frac{3c}{5}$ 1. (12 1g) · W (1.2) A. (2x2) . -W 36 It is not consider when Income of and though being I only bug when p is constant which only hoppons in my actordatics. There are no stower like this is the other Morandi equiting Ex. S.12) Find the vector potential of an interior solvered with a tring for mit light, radius R, and arrive to A = 40 (3(2) 20) s is called a limite allowed ∮÷Ji = ∫B.Jã 7(200) : BTS2 $2\pi s \tilde{A} = M_1 n \tilde{L} \pi s^2$ $\tilde{B} = M_1 n \tilde{L}$ inside solution $\tilde{A} = \frac{M_1 n \tilde{L} s}{2} \text{ for } s \neq R$ 20,5 \$, M , I (10°)

A . M.OIR 6. 5 ≥ R 5.22) Myretic vector popular of live segment of stricts with all concert. $\vec{A} = \frac{M_0 T}{4\pi} \int_{-\infty}^{\infty} d\vec{r} d\vec{r} d\vec{r} d\vec{r}$ B = 7 x A = - 3/2 6 where this & = sinte equits B = MAT [sint] - sint] > 500 0

-	5.27) Find vector getales above I below the fore surface currors
-	K = KX ove
-	$B = \frac{1}{2} \frac{M_0 \times \Lambda}{\Lambda}$ $A = \frac{1}{2} \frac{\Lambda}{\Lambda}$
+	B = V x A . 3 Per son 2 so
1	= 1 N/KV = 3 N/V
+	3 1 = 3 A V
1	25 19 = 10
1	$A(z) = \frac{2}{M_0 K}$ $A = \frac{M_0 K}{2} z \times$
	14 - 151 x
L	