Erratum

Erratum to : Visualizing Electromagnetic Vector Fields in Matter Using MATHEMATICA

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This erratum is being published to correct error on pages [pp.67-75] of the article [vol 28, No 3] entitled “Visualizing Electromagnetic Vector Fields in Matter using MATHEMATICA”.

p.67 right last line: $\vec{p}$ should be corrected to $\vec{P}$

p.68 left 18th line: “having” should be corrected to “have”

p.68 right 9th line : $|r_2 - r_1|^{-1} = \frac{1}{r_2} \left[1 + \frac{r_1 \cdot r_2}{r_2^2} + \dots \right]$ corrected to $|r_2 - r_1|^{-1} = \frac{1}{r_2} \left[1 + \frac{\vec{r}_1 \cdot \vec{r}_2}{r_2^2} + \dots \right]$

p.70 left 9th line: $2I_{0x}$; $2I_{0y}$ to $2I_{0x}$; $2I_{0y}$

p.71 left 3rd line: $A_1 a^1 = B_1 \frac{1}{a^{1+1}}$ to $A_1 a^1 = B_1 \frac{1}{a^{1+1}}$ and 4th line: $A_1 = \frac{P}{3\epsilon_0}$ to $A_1 = \frac{P}{3\epsilon_0}$

p.71 right, 4th line: $\text{huefunc} = \frac{\text{Norm}[vfunc]}{vfmax}$ to $\text{huefunc} = \frac{\text{Norm}[vfunc]}{vfmax}$

p.72 left 5th line: $r \geq a$ to $r \leq a$

p.72 right 2nd line: $r \geq a$ to $r \leq a$

p.73 left, Eq.(29) : $\phi_M(r, \theta) = \frac{1}{3} M a^2 \frac{r <}{r_2 >} \text{Cos}[\theta]$ to $\phi_M(r, \theta) = \frac{1}{3} M a^2 \frac{r <}{r_2 >} \text{Cos}[\theta]$

p.73 left, Eq.(31) : $r \geq a$ to $r \leq a$

p.74 right, 1st line : In[451-458] to In[451-458] in MATHEMATICA code1

p.75 right, 31st line : “intensity” to “intensity array”

p.75 right, 4th line : $\vec{E}_2 = -\frac{P}{3} \hat{e}_z$ should be corrected to $\vec{E}_2 = -\frac{P}{3} \hat{e}_z$