

Typos in the Figures

Four out of five occurred when the publisher's art-house "artist" redrew perfectly acceptable figures.

p.48, in Fig.1.7 the cat is missing an eye.

p.84, in Fig.2.3 the scalar separation r between q and Q should be indicated.

What follows is a series of drawings where force or field vectors were misoriented by the "artist", and are no longer pointing to or from the source charge:

p.89, Fig.2.5(b): \vec{F}_1 and \vec{F}_2 .

p.95, Figs. 2.8(a), 2.8(b): \vec{F}_1 and \vec{F}_2 .

p.95, Fig.2.9: \vec{F}_2 and \vec{F}_3 .

p.96, Fig.2.10(c): \vec{F}_1 and \vec{F}_3 .

p.113, Fig.3.5(b): \vec{E}_1 and \vec{E}_2 .

p.119, Fig.3.11(a): \vec{E}_+ and \vec{E}_- .

p.121, Fig.3.12: \vec{E}_1 and \vec{E}_2 .

p.165, in Fig.4.17 all of the arrows for \vec{E}_1 should have the same length, and all the arrows for \vec{E}_2 should have the same length, the lengths in a 3-to-2 ratio.

Most of the remaining figure typos relate to signs, which often were omitted or gotten wrong (such as using a substitute font where "-" was "2").

p.186, in Fig.5.2 the electron should be $-e$, not e , and in Fig.5.3 the vector on $m\vec{g}$ in $\vec{F} = m\vec{g}$ should only be above the g : $\vec{F} = m\vec{g}$.

p.189, in Fig.5.4(a) replace " $\vec{r}' = \vec{r} + d\vec{r}'$ " by " $\vec{r}' = \vec{r} + d\vec{s}$ ", and in 5.4(b) replace " $\vec{F}_{hand} \approx q\vec{E}$ " by " $\vec{F}_{hand} \approx -q\vec{E}$ ".

p.194, in Fig.5.8 the wires from B (on the right) should be drawn to the lower circular plate (in the middle), not to the upper plate.

p.196, in Fig.5.9a the right equipotential should be -4 V (not 4 V), and in Fig.5.10a the left charge should be $-q$ (not q).

p.202, in Fig.5.16 and on p.221 in Fig.5.35, the ions don't have their signs.

p.211, in Fig.5.25 the lower charge should be $-q$ (not $2q$).

p.212, in Fig.5.26 the 2's should be -'s.

p.213, in Fig.5.27(a) and 5.27(b), the negative axes should have their coordinates begin with a -, and in 5.27(b) the $26x^2$ should be $-6x^2$. Moreover, in the caption, $6x^2$ should be $-6x^2$.

p.221, in Fig.5.35 the Na^+ and the Cl^- are missing their signs.

p.226, in Fig.5.44, the upper and lower charges should be $-q$, not $2q$.

p.297, in Fig.7.7(b) the 100 V should be below the circle labeled a .

p.390, in Fig.9.5(a), the $2q_m$ should be $-q_m$.

p.397, in Fig.9.10(a) the field lines inside and outside should have the same length, and in 9.10(b) the field lines should have clearly different lengths. Also, " $B_n = \vec{B} \times \hat{n}$ " should be " $B_n = \vec{B} \cdot \hat{n}$ ".

p.404, in Fig.9.17 the " $\sigma^* = \vec{M} \times \hat{n}$ " should be " $\sigma_m = \vec{M} \cdot \hat{n}$ ".

p.405, in Fig.9.18 the σ^* should be σ_m .

p.425, in Fig.10.8(a) and 10.8(b) the "3"'s should be "times"'s, so replace " $\vec{a} \ 3 \ \vec{b}$ " by " $\vec{a} \times \vec{b}$ ".

p.432, in Fig.10.14 the $\delta\vec{s}$ should be $\delta\vec{r}$.

p.455, replace \vec{v} by \vec{v} .

p.477, in Fig.11.15(c) replace σ^* by σ_m , and $-\sigma^*$ by $-\sigma_m$.

p.479, in Fig.11.16(b) replace σ^* by σ_m , and $-\sigma^*$ by $-\sigma_m$.

p.576, in Fig.13.11(a) and 13.11(b), below the sheet all of the black circles and white circles come in pairs, and each pair should define a line parallel to the x-axis, rather than being tilted.

p.710, in Fig.16.30 replace $\sin \theta = y/D$ by $\sin \theta \approx y/D$.