3 – Operatori differenziali *(aggiornato il 5-4-2018)*

Diapositiva	Errata	Corrige
14	$(R > r)$	$(\mathrm{r} > R)$
19	$A_x(\mathrm{P}_3) = A_x(\mathrm{P}) + \dfrac{\partial A_y}{\partial y}\dfrac{\Delta y}{2}$	$A_x(\mathrm{P}_3) = A_x(\mathrm{P}) + \dfrac{\partial A_x}{\partial y}\dfrac{\Delta y}{2}$
23	$\mathrm{Q}-\mathrm{G} = (x-x_0)\hat{\mathbf{i}} + (y-y_0)\hat{\mathbf{j}} + (y-y_0)\hat{\mathbf{k}}$	$\mathrm{Q}-\mathrm{G} = (x-x_0)\hat{\mathbf{i}} + (y-y_0)\hat{\mathbf{j}} + (z-z_0)\hat{\mathbf{k}}$
43	$\displaystyle\oint_S \mathbf{A}\cdot\hat{\mathbf{n}}\,dS \simeq \sum_{i=1}^{N}\oint_{S_i}\mathbf{A}\cdot\hat{\mathbf{n}}_i\,dS_i = \sum_{i=1}^{N}\frac{1}{\Delta V_i}\left(\oint_{S_i}\mathbf{A}\cdot\hat{\mathbf{n}}_i\,dS_i\right)\Delta V_i$	$\displaystyle\oint_S \mathbf{A}\cdot\hat{\mathbf{n}}\,dS \simeq \sum_{i=1}^{N}\oint_{S_i}\mathbf{A}\cdot\hat{\mathbf{n}}_i\,dS_i = \sum_{i=1}^{N}\left(\frac{1}{\Delta V_i}\oint_{S_i}\mathbf{A}\cdot\hat{\mathbf{n}}_i\,dS_i\right)\Delta V_i$
43	$\displaystyle\oint_S \mathbf{A}\cdot\hat{\mathbf{n}}\,dS = \lim_{\substack{N\to\infty\\ \Delta V_i\to 0}}\sum_{i=1}^{N}\frac{1}{\Delta V_i}\left(\oint_{S_i}\mathbf{A}\cdot\hat{\mathbf{n}}_i\,dS_i\right)\Delta V_i = \int_V \mathrm{div}\mathbf{A}\,dV$	$\displaystyle\oint_S \mathbf{A}\cdot\hat{\mathbf{n}}\,dS = \lim_{\substack{N\to\infty\\ \Delta V_i\to 0}}\sum_{i=1}^{N}\left(\frac{1}{\Delta V_i}\oint_{S_i}\mathbf{A}\cdot\hat{\mathbf{n}}_i\,dS_i\right)\Delta V_i = \int_V \mathrm{div}\mathbf{A}\,dV$

4 – Richiami di teoria dell'elettromagnetismo *(aggiornato il 15-4-2018)*

Diapositiva	Errata	Corrige
25	$\underbrace{\displaystyle\oint_S \mathbf{D}\cdot\hat{\mathbf{n}}\,dS}_{i_c} + \underbrace{\frac{d}{dt}\oint_S \mathbf{D}\cdot\hat{\mathbf{n}}\,dS}_{i_s} = 0$	$\underbrace{\displaystyle\oint_S \mathbf{J}\cdot\hat{\mathbf{n}}\,dS}_{i_c} + \underbrace{\frac{d}{dt}\oint_S \mathbf{D}\cdot\hat{\mathbf{n}}\,dS}_{i_s} = 0$