

List of misprints

- p.18, eq.(2.48) : $\mathbf{A}(\mathbf{r}_\ell, t) \rightarrow \mathbf{A}(\mathbf{r}, t) \delta(\mathbf{r} - \mathbf{r}_\ell)$

- p.18, eq.(2.50) $\rightarrow$

$$\tilde{\mathbf{J}}_s = \beta c \nabla \times \sum_{\ell} \boldsymbol{\sigma}_{\ell} \delta(\mathbf{r}_{\ell} - \mathbf{r})$$

- p.21, eq.(2.55) $\rightarrow$ delete the factor $1/c$, i.e.,

$$F_{\mu\nu}(t) = \sum_{\ell} \left(\frac{e_{\ell}}{m_{\ell}} \right) \langle \mu | \mathbf{p}_{\ell} \cdot \mathbf{A}(\mathbf{r}_{\ell}, t) | \nu \rangle$$

- p.21, eq.(2.57) : multiply by a delta function, i.e.,

$$\mathbf{C}_{\mu\nu}(t) = \sum_{\ell} \left(\frac{e_{\ell}^2}{m_{\ell} c} \right) \langle \mu | \mathbf{A}(\mathbf{r}_{\ell}, t) | \nu \rangle \delta(\mathbf{r} - \mathbf{r}_{\ell})$$

- p.21, eq.(2.58) : delete the factor $1/c$, i.e.,

$$F_{\mu\nu}(t) = \int \langle \mu | \hat{\mathbf{I}}(\mathbf{r}) | \nu \rangle \cdot \mathbf{A}(\mathbf{r}, t) d\mathbf{r} .$$

- p.30, eq.(2.121): all F 's should be replaced with $\tilde{F}$'s.

- p.34, line 10 of the 3rd paragraph and line 4 of the 4th paragraph :
 $\det|\mathbf{S}_x| = 0 \rightarrow \det|\tilde{\mathbf{S}}_x| = 0$

- p.35, line 2 above eq.(3.9) : $F \rightarrow \tilde{F}$

- p.35, eq.(3.9) :

$$(\mathbf{F}) = (\mathbf{S})^{-1}(\mathbf{F}^{(0)}) \rightarrow (\tilde{\mathbf{F}}) = (\mathbf{S})^{-1}(\tilde{\mathbf{F}}^{(0)})$$

- p.35, line 4 below eq.(3.9) : $\mathbf{F}^{(0)} \rightarrow \tilde{\mathbf{F}}^{(0)}$

- p.52, eq.(3.51) $\rightarrow$

$$-(\mathbf{k} + \mathbf{g}) \times (\mathbf{k} + \mathbf{g}) \times \tilde{\mathbf{E}}(\mathbf{k} + \mathbf{g}, \omega) - q^2 \tilde{\mathbf{E}}(\mathbf{k} + \mathbf{g}, \omega) = 4\pi q^2 \tilde{\mathbf{P}}(\mathbf{k} + \mathbf{g}, \omega)$$

- p.54, eq.(3.62) : multiply by (-1) on the right hand side

- p.73, line 2 of the 2nd paragraph : $\mathbf{S}_x \rightarrow \tilde{\mathbf{S}}_x$

- p.74, line 5 of the 2nd paragraph : $\mathbf{S}_x \rightarrow \tilde{\mathbf{S}}_x$

- p.81, line 1 below eq.(4.16) : and $\rightarrow$ we

- p.84, line 3 above eq.(4.23) : One advanced $\rightarrow$ One of the advanced

- p.95, Caption of Fig.4.13 : Fig.4.11 $\rightarrow$ Fig.4.12
- p.100, line 1 of the last paragraph: $a_0/\lambda \rightarrow a_0$
- p.101, Fig.4.18 : Labels for two axes added. See the corrected figure below.
- p.126, line 4 of the 5th paragraph: odd $\rightarrow$ even
- p.126, Caption of Fig.4.31a,b : eigenmodes of $\rightarrow$ eigenmodes $\{\omega_\lambda\}$ of
- p.128, line 5 of the 1st paragraph : even $\rightarrow$ odd
- p.132, line 6 below eq.(4.72) : $k \rightarrow \kappa$
- p.133, line 4 and 6 above eq.(4.73) :

$$\mathbf{S}\tilde{\mathbf{X}} = \tilde{\mathbf{F}}^{(0)} \rightarrow \tilde{\mathbf{S}}_x\tilde{\mathbf{X}} = \tilde{\mathbf{F}}^{(0)}$$

- p.134, right hand side of eq.(4.76) :

$$\frac{2\pi}{qc^2} \rightarrow \frac{1}{qc^2}$$

- p.138, line 11 of the 3rd paragraph : $\tilde{F}_{\mu\nu}/c \rightarrow \tilde{F}_{\mu\nu}$
- p.143, line 6 of the 2nd paragraph :

$$(\mathbf{S})_x^{-1} \rightarrow (\tilde{\mathbf{S}}_x)^{-1}$$

- p.146, line 7 from below :

$$|F_{jx}(\omega_{pu})|^2 \rightarrow |\tilde{F}_{jx}(\omega_{pu})|^2$$

- p.148, line 4 :

$$\mathbf{S}\tilde{\mathbf{F}} = \tilde{\mathbf{F}}^{(0)} \rightarrow \tilde{\mathbf{S}}_x\tilde{\mathbf{X}} = \tilde{\mathbf{F}}^{(0)}$$

- p.151, Fig.5.6 : Add a biexciton dispersion curve. See the corrected figure below.
- p.159, line 3 above eq.(5.26) and line 1 below eq.(5.26) :
(5.3) and (5.4) $\rightarrow$ (5.6) and (5.7)
- p.159, line 1 above eq.(5.26) : (2.122) $\rightarrow$ (2.121)
- p.159, line 9 below eq.(5.26) : (5.3) and (5.4) $\rightarrow$ (5.26)
- p.161, line 2 of the 2nd paragraph : (5.3) and (5.4) $\rightarrow$ (5.6) and (5.7)

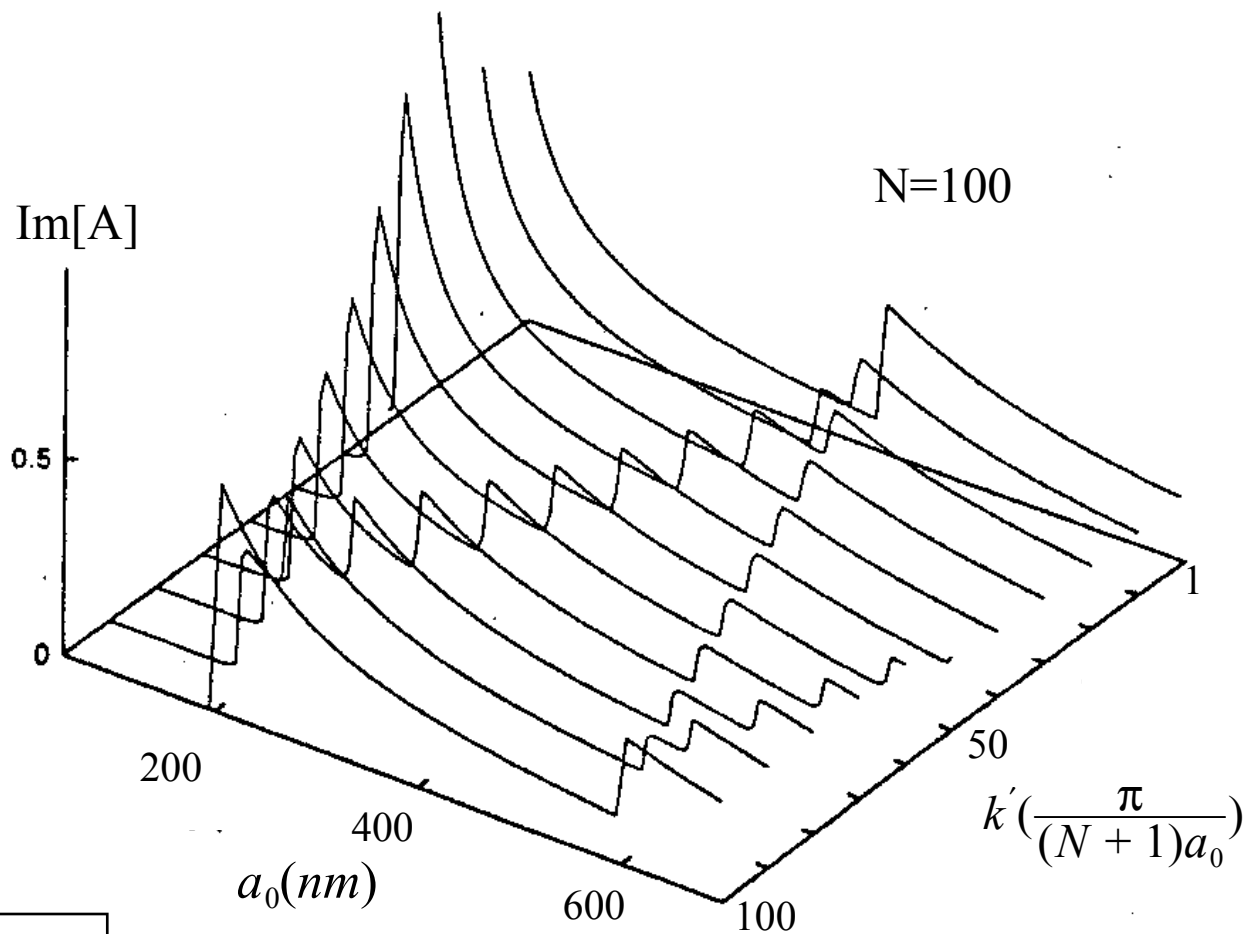


Fig. 4.18

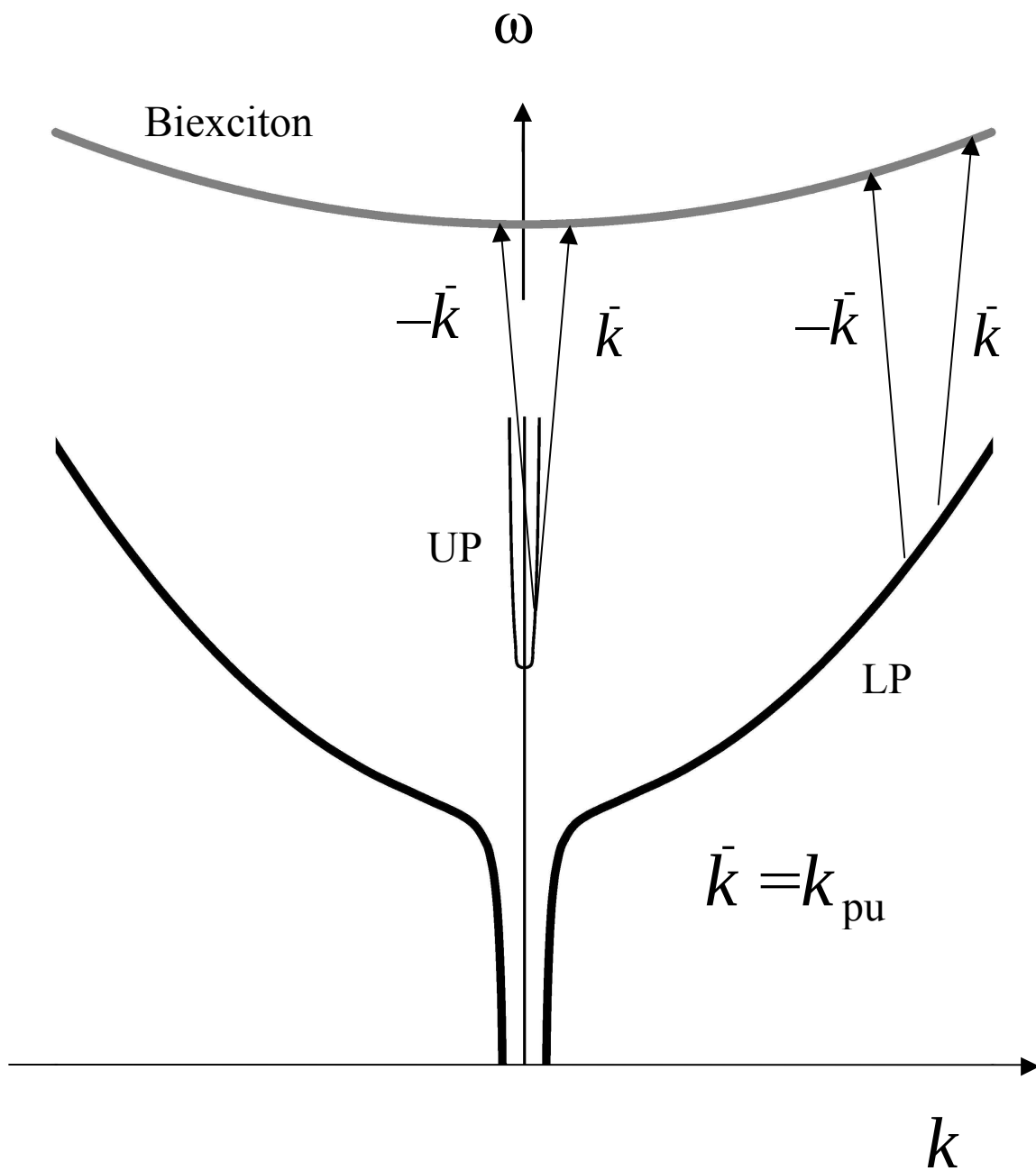


Fig. 5.6

Optical Response of Nanostructures

Microscopic Nonlocal Theory

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