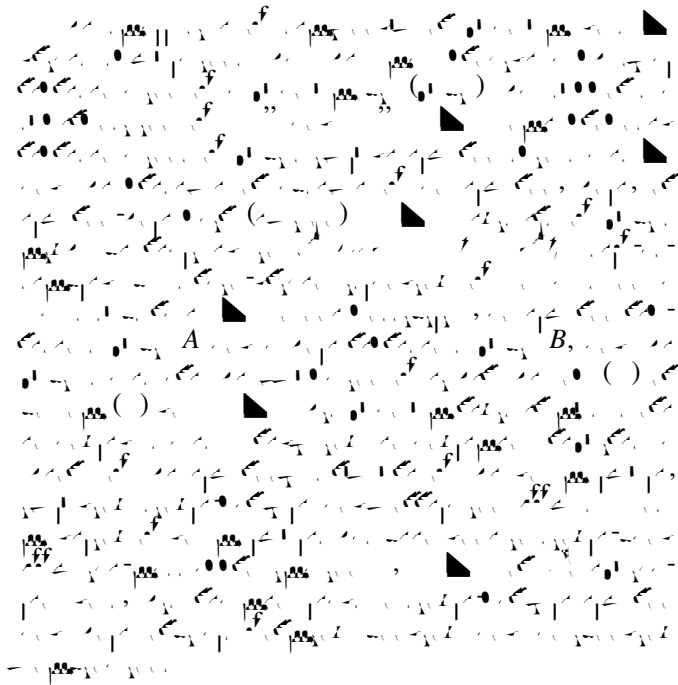


Theory of Excitonic Spectra and Entanglement Engineering in Dot Molecules



$$\begin{aligned}
 |j\phi_h^b\rangle &= \frac{1}{\sqrt{2}}(|j_h\rangle - |j_h\rangle), & |j\phi_h^a\rangle &= \frac{1}{\sqrt{2}}(|j_h\rangle + |j_h\rangle), \\
 |j\phi_e^b\rangle &= \frac{1}{\sqrt{2}}(|j_e\rangle - |j_e\rangle), & |j\phi_e^a\rangle &= \frac{1}{\sqrt{2}}(|j_e\rangle + |j_e\rangle),
 \end{aligned} \quad ()$$

$$\begin{aligned}
 &|e\rangle (e) \quad |g\rangle (g) \\
 &|e\rangle (e) \quad |g\rangle (g) \\
 &E_e^b d \\
 &E_h^b d \\
 &|j\phi_e^b\rangle = \frac{1}{\sqrt{2}}(|j_e\rangle - |j_e\rangle) \\
 &|j\phi_h^b\rangle = \frac{1}{\sqrt{2}}(|j_h\rangle - |j_h\rangle)
 \end{aligned}$$

$E_{eh} \quad \varepsilon_e$

$$\begin{aligned}
 & \int_{-\infty}^{\infty} \delta(x) \delta(x-h_0) dx = \int_{-\infty}^{\infty} \delta(x) \delta(x-h_0) dx \\
 & \int_{-\infty}^{\infty} \delta(x) \delta(x-h_0) dx = \int_{-\infty}^{\infty} \delta(x) \delta(x-h_0) dx
 \end{aligned}$$

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