

The memoir class

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JSUG

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1. Why memoir?
2. Howto
3. Questions

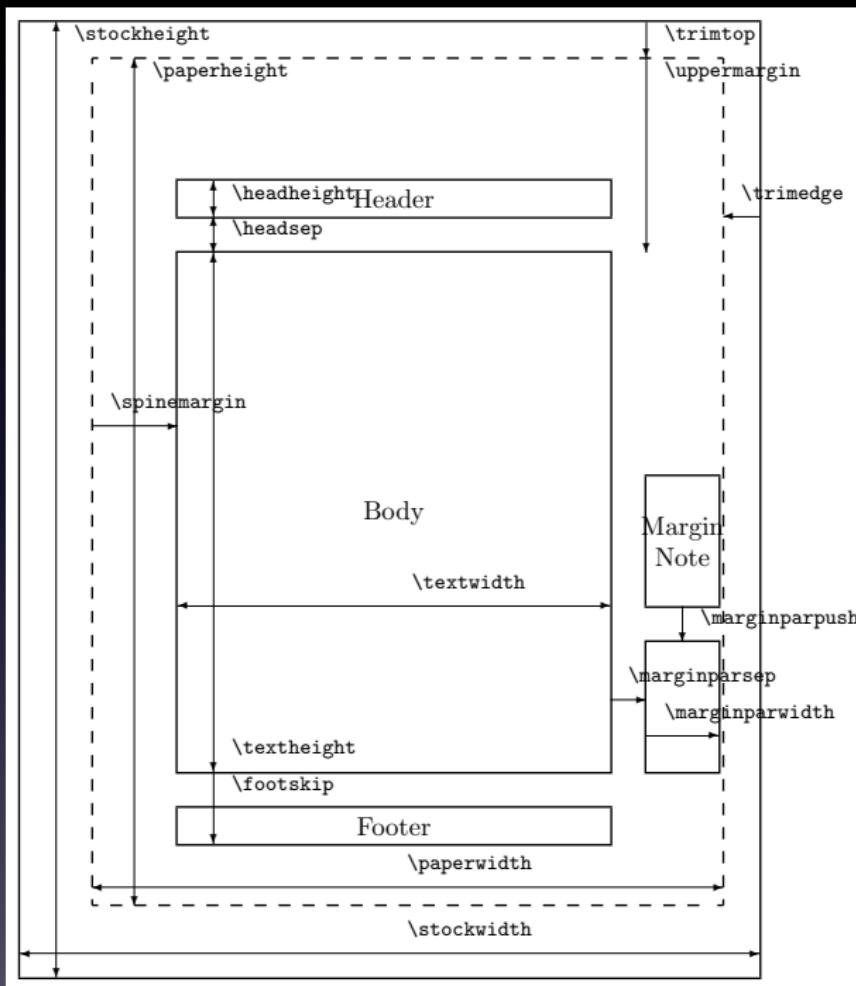
$$\begin{aligned}
 &= \int U_i^{(n)} V U_j^{(n)} d\tau_A; \Psi_n = \left\{ \alpha_1^{(n)}, \alpha_2^{(n)}, \dots, \alpha_m^{(n)} \right\} \\
 &\quad \sum |\alpha_i|_2^2 = 1 \\
 &\frac{1}{E - H_2} V_{12}^+ \rightarrow V_{12} \Phi_2^{(n)} \rangle \cdot \frac{1}{E - E_2} \Gamma_2 \\
 &\quad \langle \Phi_2^{(n)} V_{12}^+ \cdot \int dE \frac{1}{2\pi} \frac{(E - E_2)^2 + \frac{1}{4}\Gamma_2^2}{E - E_2} \\
 &\quad \frac{1}{E_2 + i \frac{\Gamma_2}{2}} \cdot V_{12} \frac{1}{E - H_2} V_{12}^+ = \frac{V_{12} \Phi_2^{(n)} \times \Phi_2^{(n)}}{E - (E_2 + i \frac{\Gamma_2}{2})} \\
 &= \langle \psi_i U_i | H_2 | \Psi_n \rangle + \frac{\langle \Phi_2^{(n)} V_{12}^+ U_i |}{E - (E_2 + i \frac{\Gamma_2}{2})} \langle \psi_2 \Phi_2^{(n)} | H_1 \\
 &> \sim \frac{1}{E} \sum \langle \Psi_n | \Phi_2^{(n)} \times \langle \Phi_2^{(n)} | U_i^{(-1)} \rangle = \\
 &\quad \langle \Psi_n | V^+ | U_i^{(-1)} \rangle
 \end{aligned}$$

Peter Wilson

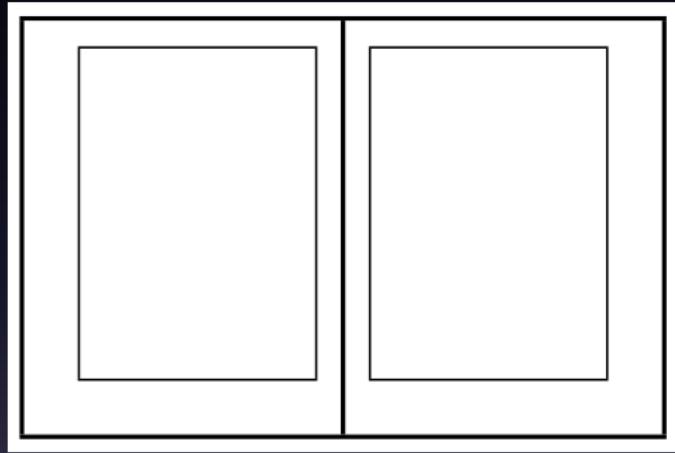
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current version: 1.6

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<http://github.com/MSch/memoir-article-demo/>