$$\frac{\chi_{i}}{dt} = \int_{i}^{i} \left( \frac{1}{3} \omega_{ij} \cdot \chi_{j} + \beta_{i} \right) - \chi_{i}$$

$$\frac{\chi_{i}(t + \Delta t) - \chi_{i}(t)}{\Delta t} = \frac{1}{\gamma_{i}} \left[ \int_{i}^{i} \left( \frac{1}{3} \omega_{ij} \cdot \chi_{j}(\theta + \beta_{i}) - \chi_{i} \right) \right]$$

$$\chi_{i}(t + \Delta t) = \frac{\Delta t}{\gamma_{i}} \quad \int_{i}^{i} \left( \frac{1}{3} \omega_{ij} \cdot \chi_{j}(\theta + \beta_{i}) - \chi_{i} \right)$$

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$$\chi_{i}(t + \Delta t) = \frac{\Delta t}{\gamma_{i}} \quad \int_{i}^{i} \left( \frac{$$

$$\begin{array}{l} \chi_{1}(t_{2}) = \frac{\Delta t}{\Upsilon_{1}} \quad f_{1}(\vec{z} \; \omega_{1\,j} \; \; \; \chi_{j}(t_{1}) + \beta_{1}) \; + \left(1 - \frac{\Delta t}{\Upsilon_{1}} \right) \; \chi_{1}(t_{1}) \\ = \frac{1}{2} \quad f_{1}(\vec{z} \; \omega_{1\,j} \; \; \; \chi_{j}(t_{1}) + \theta) \; + \left(1 - \frac{\Delta t}{\Upsilon_{2}} \right) \; \chi_{2}(t_{1}) \\ = \frac{1}{2} \quad f_{1}(\vec{z} \; \omega_{2\,j} \; \; \chi_{j}(t_{1}) + \beta_{2}) \; + \left(1 - \frac{\Delta t}{\Upsilon_{2}} \right) \; \chi_{2}(t_{1}) \\ = \frac{1}{3} \quad f_{2}(\vec{z} \; \omega_{2\,j} \; \; \chi_{j}(t_{1}) + \theta) \; + \left(1 - \frac{\Delta t}{\Upsilon_{2}} \right) \; \chi_{3}(t_{1}) \\ = \frac{1}{3} \quad f_{2}(\vec{z} \; \omega_{2\,j} \; \; \chi_{j}(t_{1}) + \theta) \; + \left(1 - \frac{\Delta t}{\Upsilon_{2}} \right) \; \chi_{3}(t_{1}) \\ = \frac{1}{1} \quad f_{3}(\vec{z} \; \omega_{2\,j} \; \; \chi_{j}(t_{1}) + \theta) \; + \left(1 - \frac{\Delta t}{\Upsilon_{1}} \right) \; \chi_{3}(t_{1}) \\ = \frac{1}{1} \quad f_{3}(\vec{z} \; \omega_{2\,j} \; \; \chi_{j}(t_{1}) + \theta) \; + \left(1 - \frac{\Delta t}{\Upsilon_{1}} \right) \; \chi_{4}(t_{1}) \\ = \frac{1}{5} \quad f_{4}(\vec{z} \; \omega_{1\,j} \; \; \chi_{j}(t_{1}) + \theta) \; + \left(1 - \frac{\Delta t}{\Upsilon_{1}} \right) \; \chi_{4}(t_{1}) \\ = \frac{1}{5} \quad f_{4}(\vec{z} \; \omega_{1\,j} \; \; \chi_{j}(t_{1}) + \theta) \; + \left(1 - \frac{\Delta t}{\Upsilon_{1}} \right) \; \chi_{1}(t_{2}) \\ = \frac{1}{2} \quad f_{1}(\vec{z} \; \omega_{1\,j} \; \; \chi_{j}(t_{2}) + \theta) \; + \left(1 - \frac{\Delta t}{\Upsilon_{1}} \right) \; \chi_{1}(t_{2}) \\ = \frac{1}{2} \quad f_{1}(\vec{z} \; \omega_{1\,j} \; \; \chi_{j}(t_{2}) + \theta) \; + \left(1 - \frac{\Delta t}{\Upsilon_{1}} \right) \; \chi_{1}(t_{2}) \\ = \frac{1}{3} \quad f_{2}(\vec{z} \; \omega_{2\,j} \; \; \chi_{j}(t_{2}) + \theta) \; + \left(1 - \frac{\Delta t}{\Upsilon_{1}} \right) \; \chi_{2}(t_{2}) \\ = \frac{1}{3} \quad f_{2}(\vec{z} \; \omega_{2\,j} \; \; \chi_{j}(t_{2}) + \theta) \; + \left(1 - \frac{\Delta t}{\Upsilon_{2}} \right) \; \chi_{2}(t_{2}) \\ = \frac{1}{3} \quad f_{2}(\vec{z} \; \omega_{2\,j} \; \; \chi_{j}(t_{2}) + \theta) \; + \left(1 - \frac{\Delta t}{\Upsilon_{2}} \right) \; \chi_{2}(t_{2}) \\ = \frac{1}{1} \quad f_{3}(\vec{z} \; \omega_{2\,j} \; \; \chi_{j}(t_{2}) + \theta) \; + \left(1 - \frac{\Delta t}{\Upsilon_{2}} \right) \; \chi_{3}(t_{2}) \\ = \frac{1}{1} \quad f_{3}(\vec{z} \; \omega_{2\,j} \; \; \chi_{j}(t_{2}) + \theta) \; + \left(1 - \frac{\Delta t}{\Upsilon_{2}} \right) \; \chi_{4}(t_{2}) \\ = \frac{1}{1} \quad f_{3}(\vec{z} \; \omega_{2\,j} \; \; \chi_{j}(t_{2}) + \theta) \; + \left(1 - \frac{\Delta t}{\Upsilon_{2}} \right) \; \chi_{4}(t_{2}) \\ = \frac{1}{1} \quad f_{4}(\vec{z} \; \omega_{2\,j} \; \; \chi_{j}(t_{2}) + \theta) \; + \left(1 - \frac{\Delta t}{\Upsilon_{2}} \right) \; \chi_{4}(t_{2}) \\ = \frac{1}{1} \quad f_{4}(\vec{z} \; \omega_{2\,j} \; \; \chi_{j}(t_{2}) + \theta) \; + \left(1 - \frac{\Delta t}{\Upsilon_{2}} \right) \; \chi_{4}(t_{2}) \\ = \frac{1}{1} \quad f_{4}(\vec{z} \; \omega_{2\,j} \; \; \chi_{j}(t_{2}) + \theta) \; + \left(1 - \frac{\Delta t}{\Upsilon_{2}} \right) \; \chi_{2}(t_{2}) \\ = \frac{1}{1} \quad f_{4}(\vec{z} \; \omega_{$$

$$\begin{array}{l} \chi_{1}(t_{1}) = \frac{\Delta E}{\gamma_{1}} \left( \frac{1}{3} \omega_{1j}, \chi_{1}(t_{2}) + \beta_{1} \right) + \left( 1 - \frac{\Delta E}{\gamma_{1}} \right) \chi_{1}(t_{2}) \\ = \frac{1}{5} \int_{1}^{1} \left( \frac{1}{3} \omega_{1j}, \chi_{1}(t_{2}) + \beta_{1} \right) + \left( 1 - \frac{\Delta E}{\gamma_{1}} \right) \left( \rho_{1}(t_{2}) \right) = 0.50 \\ \chi_{1}(t_{1}) = \frac{\Delta E}{\gamma_{1}} \int_{1}^{1} \left( \frac{1}{3} \omega_{1j}, \chi_{1}(t_{1}) + \beta_{1} \right) + \left( 1 - \frac{\Delta E}{\gamma_{1}} \right) \chi_{1}(t_{1}) \\ = \frac{1}{2} \int_{1}^{1} \left( \frac{1}{3} \omega_{1j}, \chi_{1}(t_{1}) + \beta_{1} \right) + \left( 1 - \frac{\Delta E}{\gamma_{2}} \right) \chi_{1}(t_{1}) \\ = \frac{1}{3} \int_{1}^{2} \left( \frac{1}{3} \omega_{2j}, \chi_{1}(t_{1}) + \beta_{2} \right) + \left( 1 - \frac{\Delta E}{\gamma_{2}} \right) \chi_{2}(t_{1}) \\ = \frac{1}{3} \int_{1}^{2} \left( \frac{1}{3} \omega_{2j}, \chi_{1}(t_{1}) + \beta_{2} \right) + \left( 1 - \frac{\Delta E}{\gamma_{2}} \right) \chi_{2}(t_{1}) \\ = \frac{1}{\gamma_{3}} \int_{1}^{2} \left( \frac{1}{3} \omega_{2j}, \chi_{1}(t_{1}) + \beta_{2} \right) + \left( 1 - \frac{\Delta E}{\gamma_{2}} \right) \chi_{3}(t_{1}) \\ = \frac{1}{\gamma_{3}} \int_{1}^{2} \left( \frac{1}{3} \omega_{2j}, \chi_{1}(t_{1}) + \beta_{2} \right) + \left( 1 - \frac{\Delta E}{\gamma_{2}} \right) \chi_{3}(t_{1}) \\ = \frac{1}{\gamma_{3}} \int_{1}^{2} \left( \frac{1}{3} \omega_{2j}, \chi_{1}(t_{1}) + \beta_{2} \right) + \left( 1 - \frac{\Delta E}{\gamma_{3}} \right) \chi_{3}(t_{1}) \\ = \frac{1}{\gamma_{3}} \int_{1}^{2} \left( \frac{1}{3} \omega_{2j}, \chi_{1}(t_{1}) + \beta_{2} \right) + \left( 1 - \frac{\Delta E}{\gamma_{3}} \right) \chi_{3}(t_{1}) \\ = \frac{1}{5} \int_{1}^{2} \left( \frac{1}{3} \omega_{1j}, \chi_{1}(t_{2}) + \beta_{2} \right) + \left( 1 - \frac{\Delta E}{\gamma_{1}} \right) \chi_{1}(t_{2}) \\ = \frac{1}{5} \int_{1}^{2} \left( \frac{1}{3} \omega_{2j}, \chi_{2}(t_{2}) + \beta_{2} \right) + \left( 1 - \frac{\Delta E}{\gamma_{2}} \right) \chi_{2}(t_{2}) \\ = \frac{1}{5} \int_{1}^{2} \left( \frac{1}{3} \omega_{2j}, \chi_{2}(t_{2}) + \beta_{2} \right) + \left( 1 - \frac{\Delta E}{\gamma_{2}} \right) \chi_{2}(t_{2}) \\ = \frac{1}{5} \int_{1}^{2} \left( \frac{1}{3} \omega_{2j}, \chi_{2}(t_{2}) + \beta_{2}(t_{2}) + \beta_{2}(t_{2}) + \beta_{2}(t_{2}) \right) \\ = \frac{1}{5} \int_{1}^{2} \left( \frac{1}{3} \omega_{2j}, \chi_{2}(t_{2}) + \beta_{2}(t_{2}) + \beta_{2}(t_{2}) + \beta_{2}(t_{2}) \right) \\ = \frac{1}{5} \int_{1}^{2} \left( \frac{1}{3} \omega_{2j}, \chi_{2}(t_{2}) + \beta_{2}(t_{2}) + \beta_{2}(t_{2}) + \beta_{2}(t_{2}) \right) \\ = \frac{1}{5} \int_{1}^{2} \left( \frac{1}{3} \omega_{2j}, \chi_{2}(t_{2}) + \beta_{2}(t_{2}) + \beta_{2}(t_{2}) + \beta_{2}(t_{2}) + \beta_{2}(t_{2}) + \beta_{2}(t_{2}) \right) \\ = \frac{1}{5} \int_{1}^{2} \left( \frac{1}{3} \omega_{2j}, \chi_{2}(t_{2}) + \beta_{2}(t_{2}) + \beta_{$$