



$$0 = (2x_2+1)(2u_2+1) - 2\Delta x_{12}\Delta_2 \\ - (2x_1+1)(2u_1+1) + 2\Delta x_{12}\Delta_1$$

$$\underline{x_2 = x_1 + \Delta x_{12}}$$

$$0 = (2x_1+1)(2u_2+1) + 2\Delta x_{12}(2u_2+1) - 2\Delta x_{12}\Delta_2 \\ - (2x_1+1)(2u_1+1) + 2\Delta x_{12}\Delta_1$$

$$\underline{x_1 = x_2 - \Delta x_{12}}$$

$$0 = (2x_2+1)(2u_2+1) - 2\Delta x_{12}\Delta_2 \\ - (2x_2+1)(2u_1+1) + 2\Delta x_{12}(2u_2+1) + 2\Delta x_{12}\Delta_1$$

Fehler!!!

$$\underline{\text{Be } (2x_2+1) = (2x_1+1)(2x_1'+1)}$$

$$\Rightarrow 0 = (2x_1+1)(2x_1'+1)(2u_2+1) - 2\Delta x_{12}\Delta_2 \\ - (2x_1+1)(2x_1'+1)(2u_1+1) - 2\Delta x_{12}(2u_1+1) + 2\Delta x_{12}\Delta_1$$

$$(2x_1+1)(2x_1'+1)(2u_1+1)$$

$$= (2x_1+1)(2x_1'+1)(2u_2+1) - 2\Delta x_{12}\Delta_2 \\ - 2\Delta x_{12}(2u_1+1) + 2\Delta x_{12}\Delta_1$$

$$(2u_1+1) = (2u_2+1) + \frac{1}{(2x_1+1)(2x_1'+1)} (-2\Delta x_{12}\Delta_2 - 2\Delta x_{12}(2u_1+1) + 2\Delta x_{12}\Delta_1)$$

$$= (2u_2+1) + 2\Delta x_{12} \frac{(-\Delta_2 + \Delta_1) - (2u_1+1)}{(2x_1+1)(2x_1'+1)} \\ = 2 \cdot (2x_1x_1' + x_1 + x_1') + 1$$

$$\underline{\text{Be } u_1 = (-\Delta_2 + \Delta_1 + \alpha)(2x_1x_1' + x_1 + x_1') + \gamma}$$

$$= (2u_2+1) + 2\Delta x_{12} \frac{(-\Delta_2 + \Delta_1) - 2(-\Delta_2 + \Delta_1 + \alpha)(2x_1x_1' + x_1 + x_1') - 2\gamma - 1}{(2x_1+1)(2x_1'+1)}$$

$$= (2u_2+1) + 2\Delta x_{12} \frac{(-\Delta_2 + \Delta_1) - 2(-\Delta_2 + \Delta_1 + \alpha)(2x_1x_1' + x_1 + x_1') - 2\gamma - 1}{(2x_1+1)(2x_1'+1)} \\ = (2u_2+1) - 2\Delta x_{12} \frac{2 \cdot (2x_1x_1' + x_1 + x_1') - 1}{(2x_1+1)(2x_1'+1)}$$



$$\uparrow \\ 2 \cdot (2x_1x_1' + x_1 + x_1') - 1 \\ = 4x_1x_1' + 2x_1 + 2x_1' - 1 \\ = 1$$

