$-\frac{\frac{-\frac{r_{12}}{4\beta r_{12}+4}}{\frac{r_{13}}{2\beta r_{13}+2}} - \frac{r_{13}}{2\beta r_{13}+2} - \frac{r_{23}}{2\beta r_{14}+2} - \frac{r_{23}}{2\beta r_{23}+2} - \frac{r_{24}}{4\beta r_{34}+4}}}{2\left(-\left(-\frac{\alpha r_{1}}{2}+1\right)e^{-\frac{\alpha r_{1}}{2}}e^{-\alpha r_{2}} + \left(-\frac{\alpha r_{2}}{2}+1\right)e^{-\alpha r_{1}}e^{-\frac{\alpha r_{2}}{2}}e^{-\alpha r_{4}} + \left(-\frac{\alpha r_{4}}{2}+1\right)e^{-\alpha r_{3}}e^{-\frac{\alpha r_{4}}{2}}}\right) \left(\frac{\beta^{2}(x_{1}-x_{3})^{2}}{r_{14}(\beta r_{14}+1)^{3}} + \frac{\beta^{2}(x_{1}-x_{3})^{2}}{r_{14}(\beta r_{14}+1)^{3}} + \frac{\beta^{2}(x_{1}-x_{1})^{2}}{r_{14}(\beta r_{14}+1)^{$