Vtotal =
$$\sum_{\substack{i,j\\i < j}} \mathcal{O}_{z}(i,j) + \sum_{\substack{i,j,k\\i < j}} \mathcal{O}_{3}(i,j,k)$$

*
$$U_2(r_{ij}) = \varepsilon \cdot f_2(r_{ij}) = \varepsilon \cdot f_2(r_{ij})$$

 $f_2(\bar{r}_i) = \begin{cases} A \cdot (B \cdot \bar{r}_i)^4 - 1 \cdot \exp(\bar{r}_i - \alpha)^{-1}, & \bar{r}_i \neq \alpha \\ 0, & \bar{r}_i \geq \alpha \end{cases}$

$$h(\bar{r}_{ij}, \bar{r}_{ih}, \theta_{jik}) = \lambda \cdot \exp[r(\bar{r}_{ij} - q)^{-1} + r(\bar{r}_{ik} - a)^{-1}] \times (\cos \theta_{jik} + \frac{1}{5})^2$$

$$CosOjik = \frac{\overline{r_{ij}^2 + \overline{r_{ik}^2 - \overline{r_{jk}^2}}}}{2 \times \overline{r_{ij}^2 \times \overline{r_{ik}^2}}}$$

