

Hw7:		
しい もa.6. Ne 在体でえるち あいたる中かられいた		
1) = + 2EN(A12(F)12-A6(F)6)		
$\frac{dU}{dr} = \lambda EN(-12 A_{12} \frac{\sigma^{12}}{r^{13}} + 6 A_{6} \frac{\sigma^{6}}{r^{7}}) = 0$		
$\frac{1}{12}A_{12}\frac{1}{\sqrt{3}}=6A_{6}\sqrt{7}$		
$r_0 = \left(\frac{2A_{12}\sigma^6}{A^8}\right)^{\frac{1}{8}}$		
$   U  _{\Gamma = \Gamma_0} = 2N \mathcal{E} \left( A_{12} \left( \frac{A_6}{2A_{12}} \right)^{12/6} - A_6 \left( \frac{A_6}{2A_{12}} \right)^{6/6} \right) $		
$= 2N\xi \left( \frac{1}{4} \frac{A_6^2}{A_{12}} - \frac{A_6^2}{2A_{12}} \right) = -\frac{N\xi}{2} \left( \frac{A_6^2}{A_{12}} \right).$		
$\frac{1}{100} \frac{V_{\text{c}}}{V_{\text{f}}} = \frac{\left(A_{0,\text{c}}^{2}/A_{\text{D.f}}\right)}{\left(A_{0,\text{f}}^{2}/A_{\text{D.f}}\right)} = \frac{\left(12.5^{2}/9.11\right)}{\left(14.45^{2}/12.13\right)} = 0.957$		
21 \$217, 8= \$0 × 10 -23 J, \sigma = 2.96 A		
$35514 U = -\frac{1}{2}NE\left(\frac{A_6}{A_B^2}\right)$		
= - \frac{1}{2} \times 6.022 \times 10^3 \text{mol}^4 \times 50 \times 10^2  \left( \frac{1445^2}{12.13} \right)		
= -258 kJ.mol7		
与计并值光异在于未约已参与化		
2. (a) 2-P, Jāms, 4 3. As: 312-P3		
b, B-P, -1,227,2 E, C3 C3, 3C2 30, i, iC3, iC3		
(2, 8-P, 2213, 4		
(d) J-P (328, 8 P3h P3d		
$C_2$		



4. 码端: 复文Vinta Dad 群		
5. 台份:	iC4 C2	iC3. E, 20. 2C2
	× 1 (2	D <sub>2</sub> d 硅
	-0-4-	
	7 A C.	