Example: CaB2

$$\vec{a}_1 = \vec{a} \vec{i}$$
,  $\vec{a}_2 = \vec{a}(-\sin 30^{\circ} \vec{i} + \cos 30^{\circ} \vec{j})$ ,  $\vec{a}_3 = \vec{c} \vec{k}$ 

$$\vec{r}_{B_1} = \frac{2}{3}\vec{a}_1 + \frac{1}{3}\vec{a}_2 + o\vec{a}_3$$

$$\vec{r}_{B_2} = \frac{1}{3}\vec{a}_1 + \frac{2}{3}\vec{a}_2 + o\vec{a}_3$$

$$\vec{C}_{\alpha} = 0 \vec{a}_1 + 0 \vec{a}_2 + \frac{1}{2} \vec{a}_3$$

$$\vec{a}_2$$
 $\vec{a}_2$ 
 $\vec{a}_1$ 
 $\vec{a}_2$ 
 $\vec{a}_3$ 
 $\vec{a}_2$ 
 $\vec{a}_3$ 
 $\vec{a}_4$ 
 $\vec{a}_4$ 
 $\vec{a}_4$ 
 $\vec{a}_5$ 

$$\vec{b}_1 = \frac{27}{\Omega_c} (\vec{a}_2 \times \vec{a}_3)$$

$$\vec{b}_2 = \frac{2v}{\Omega_c} (\vec{a}_3 \times \vec{a}_1)$$

$$\vec{b}_3 = \frac{2n}{\Omega_c} \left( \vec{a}_1 \times \vec{a}_2 \right)$$

$$\Omega_{c} = |\hat{\alpha}_{3} \cdot (\hat{\alpha}_{2} \times \hat{\alpha}_{1})|$$

$$= \Omega^{2} C \sin_{1} 2\delta^{\circ}$$

$$\Gamma = 0\vec{b}_1 + 0\vec{b}_2 + 0\vec{b}_3$$

$$M = \frac{1}{2}\vec{b}_1 + 0\vec{b}_2 + 0\vec{b}_3$$

$$K = \frac{1}{3}\vec{b}_1 + \frac{1}{3}\vec{b}_2 + 0\vec{b}_3$$

$$A = 0\vec{b}_1 + 0\vec{b}_2 + \frac{1}{2}\vec{b}_3$$

$$L = \frac{1}{2}\vec{b}_1 + 0\vec{b}_2 + \frac{1}{2}\vec{b}_3$$

$$H = \frac{1}{3}\vec{b}_1 + \frac{1}{3}\vec{b}_2 + \frac{1}{2}\vec{b}_3$$

需要mid件和程序。ii)Atom\_POT. DAT (腹势、由Atom. spi 改名或copi);
(ii) input (输入参数文件); (iii) paratec\_code (计标程序);
(iv) VMIX 以 CD (势能或电器按m加值文件, optional).
执行语句:/..../paratec\_code < input &

考题,计许以下材料的品格常数和电话带给构

C 新闻石结构 (a=3.567Å)

C石墨(与角形级构) (a=2.46Å, C=6.69Å)

Car (fcc) (a=5.58 Å)

Ba (bcc) (a=5.02Å)

BN 到1石版构 (a=3.616Å)

S: 電刷石協构 (Q=5.430Å)

Ga 美刚石场构 (a=5.658A)

Gats.

MgB2,

住港一种材料.