PERIODIC BOUNDARY CONDITIONS Friday, 29 November 2019 09:08

BLOCH THEOREM

$$
\varphi(\underline{r}+I)=\varphi(\underline{r}) e^{j \underline{k} \cdot I}
$$


$\pi$ - eskimos

$$
\begin{aligned}
t_{0} & =\frac{-\hbar^{2}}{2 m a^{2}} \\
t_{0} \varphi_{i-1} & +\left(E_{c i}-2 t_{0}\right) \varphi_{i}+t_{0} \varphi_{i+1}=E \varphi_{i}
\end{aligned}
$$

Pemba $\quad t_{0} \varphi_{0}+\left(E_{c_{1}-2 t_{0}}\right) \varphi_{1}+t_{0} \varphi_{2}=E \varphi_{2}$


$$
K=\left[\begin{array}{cccc}
H_{11} & H_{12} & & H_{102}^{-5 l_{20}} \\
H_{21} & H_{22} & H_{23} & \\
& H_{32} & H_{72} & H_{32} \\
H_{11}^{+} l^{j K_{42}} & & &
\end{array}\right]
$$

$$
s p_{3} d 5 s^{*}
$$

