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2 h K 2m h P ma . / / (b)

At $k = \pi/a$ the
determinantal equation
is $(P/Ka) \sin Ka + \cos$
 $Ka = -1$. In the same
limit this equation has
solutions $Ka = \pi + \delta$,
where $\delta \ll \pi$. We expand
to obtain $(\cos \delta) \sin \pi + \cos$
 $\pi + \delta = -1$, which has the
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cube. If θ is the angle between them, their scalar product gives $\cos \theta = -1/3$, whence $\theta = \cos^{-1} 1/3 = 90^\circ + 19^\circ 28' = 109^\circ 28'$. 2. The plane (100) is normal to the x axis. It intercepts the a' axis at $2a'$ and the

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c' axis. at $2c'$; therefore
the indices referred to
the primitive axes are
(101). Similarly, the
plane.

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y z and $\hat{x} \hat{y} \hat{z}$ are in the directions of two body diagonals of a cube. If...

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bonding, packing and diffusion of atoms followed by imperfections and lattice vibrations. Chapter eight deals mainly with experimental methods of determining structures of given materials. While the next nine chapters cover various physical properties of crystalline solids, the last chapter

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materials. This chapter
has been added for
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