

Quiz 11

Thursday, May 4, 2017 11:55 AM

The primitive lattice vectors for graphene are

$$\vec{a}_1 = \begin{bmatrix} a \\ 0 \end{bmatrix} \quad \text{and} \quad \vec{a}_2 = \begin{bmatrix} a/2 \\ \sqrt{3}a/2 \end{bmatrix}$$

Find the primitive reciprocal lattice vectors, \vec{b}_1 & \vec{b}_2 .