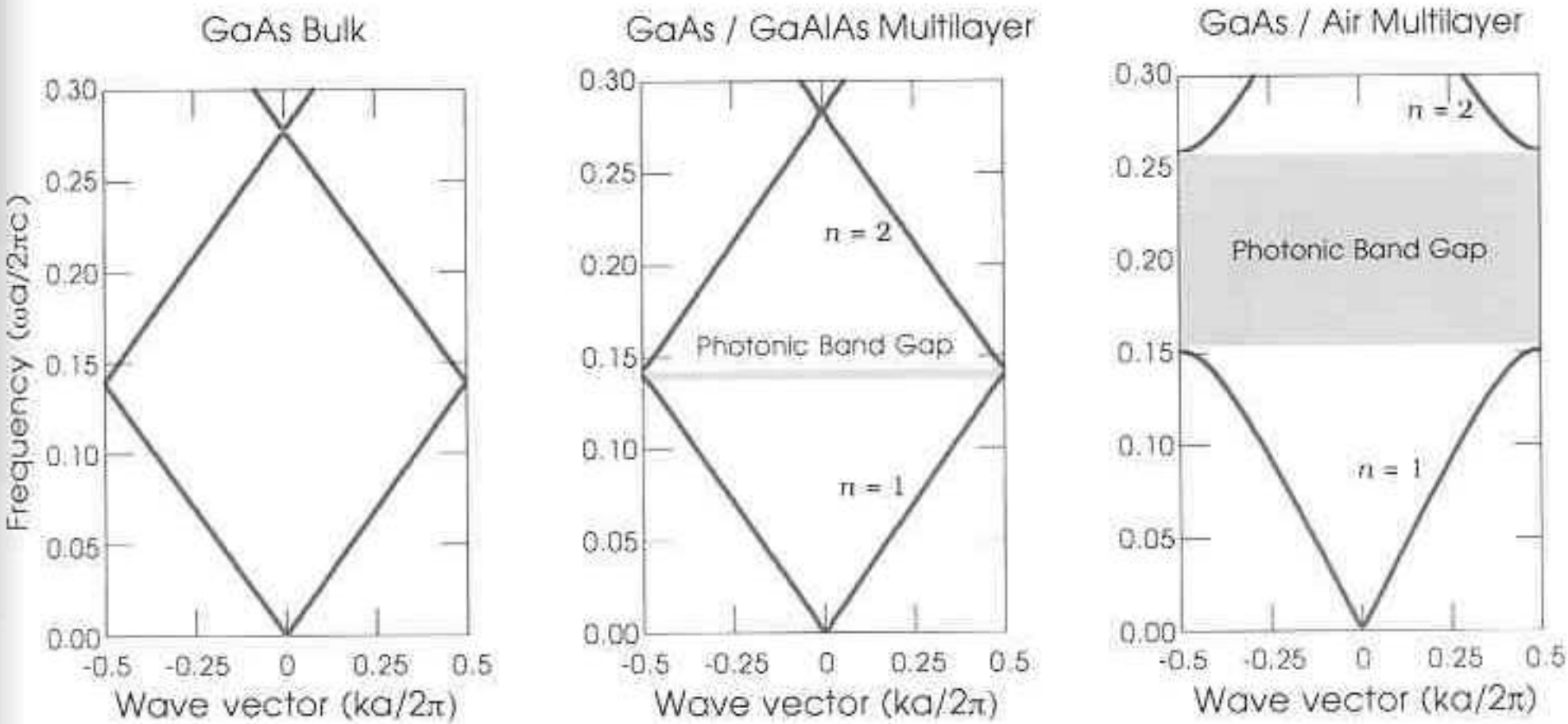

Figure 2 The photonic band structures for on-axis propagation, shown for three different multilayer films, all of which have layers of width 0.5*a*. *Left:* each layer has the same dielectric constant $\varepsilon = 13$. *Center:* layers alternate between $\varepsilon = 13$ and $\varepsilon = 12$. *Right:* layers alternate between $\varepsilon = 13$ and $\varepsilon = 1$.