

3-3 Consider a cube of edge  $a$  with the location and orientation of the figure in Figure 1-41. There is a point charge  $q$  at each corner except for that at  $(a, a, 0)$ . Find  $\mathbf{E}$  at the empty corner.

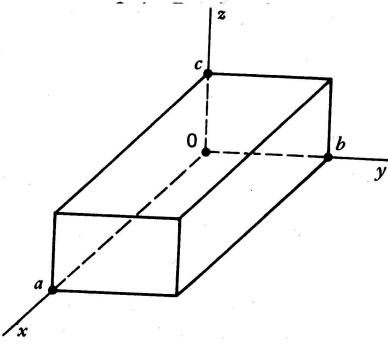


Figure 1-41. Rectangular parallelepiped.