

## 1.36: Domain of influence

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The domain of influence of a lattice point  $P$  (Delaunay 1933), or Dirichlet domain or Voronoi domain, consists of all points  $Q$  in space that are closer to this lattice point than to any other lattice point or at most equidistant to it, namely such that  $|\mathbf{OP}| \leq |\mathbf{t} - \mathbf{OP}|$  for any vector  $\mathbf{t}$  belonging to the vector lattice  $L$ . It is the inside of the Wigner-Seitz cell.

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