

# geodesic dome

A **geodesic dome** is a spherical or partial-spherical shell structure or lattice shell based on a network of great circles (geodesics) lying on the surface of a [sphere](#). The geodesics intersect to form triangular elements that have local triangular rigidity and also distribute the stress across the entire structure. When completed to form a complete [sphere](#), it is known as a **geodesic sphere**. The term "dome" refers to an enclosed structure and should not be confused with non-enclosed geodesic structures such as geodesic climbers found on playgrounds. (wikipedia)