

## SDO\_GEOM

The `SDO_GEOM` package contains the geometry functions.

These can be grouped into the following categories (with examples of each):

- **Relationship (True/False) between two objects:** `RELATE`, `WITHIN_DISTANCE`
- **Validation:** `VALIDATE_GEOMETRY_WITH_CONTEXT`, `VALIDATE_LAYER_WITH_CONTEXT`
- **Single-object operations:** `SDO_ARC_DENSIFY`, `SDO_AREA`, `SDO_BUFFER`, `SDO_CENTROID`, `SDO_CONVEXHULL`, `SDO_LENGTH`, `SDO_MBR`, `SDO_POINTONSURFACE`
- **Two-object operations:** `SDO_DISTANCE`, `SDO_DIFFERENCE`, `SDO_INTERSECTION`, `SDO_UNION`, `SDO_XOR`

For a complete description of this package within the context of Oracle Spatial, see `SDO_GEOM` in the *Oracle Spatial and Graph Developer's Guide*.