

oraTest

```
DROP TABLE ora_test_points;
DROP TABLE ora_test_lines;
DROP TABLE ora_test_polygons;

DELETE FROM USER_SDO_GEOM_METADATA WHERE TABLE_NAME = 'ORA_TEST_POINTS';
DELETE FROM USER_SDO_GEOM_METADATA WHERE TABLE_NAME = 'ORA_TEST_POLYGONS';
DELETE FROM USER_SDO_GEOM_METADATA WHERE TABLE_NAME = 'ORA_TEST_LINES';

CREATE TABLE ora_test_points (
  name    VARCHAR(255),
  intval  NUMBER,
  id      NUMBER PRIMARY KEY,
  shape   MDSYS.SDO_GEOMETRY
);

CREATE TABLE ora_test_lines (
  name    VARCHAR(255),
  intval  NUMBER,
  id      NUMBER PRIMARY KEY,
  shape   MDSYS.SDO_GEOMETRY
);

CREATE TABLE ora_test_polygons (
  name    VARCHAR(255),
  intval  NUMBER,
  id      NUMBER PRIMARY KEY,
  shape   MDSYS.SDO_GEOMETRY
);

INSERT INTO USER_SDO_GEOM_METADATA VALUES (
  'ORA_TEST_POINTS',
  'SHAPE',
  MDSYS.SDO_DIM_ARRAY(
    MDSYS.SDO_DIM_ELEMENT('X',-180,180,0.005),
    MDSYS.SDO_DIM_ELEMENT('Y',-90,90,0.005)
  ),
  NULL
);

INSERT INTO USER_SDO_GEOM_METADATA VALUES (
  'ORA_TEST_LINES',
  'SHAPE',
  MDSYS.SDO_DIM_ARRAY(
    MDSYS.SDO_DIM_ELEMENT('X',-180,180,0.005),
    MDSYS.SDO_DIM_ELEMENT('Y',-90,90,0.005)
  ),
  NULL
);
```

```
INSERT INTO USER_SDO_GEOM_METADATA VALUES (
  'ORA_TEST_POLYGONS',
  'SHAPE',
  MDSYS.SDO_DIM_ARRAY(
    MDSYS.SDO_DIM_ELEMENT('X',-180,180,0.005),
    MDSYS.SDO_DIM_ELEMENT('Y',-90,90,0.005)
  ),
  NULL
);
```

```
INSERT INTO ora_test_points VALUES (
  'point 1',
  10,
  1,
  MDSYS.SDO_GEOMETRY(
    2001,
    NULL,
    NULL,
    MDSYS.SDO_ELEM_INFO_ARRAY(1,1,1),
    MDSYS.SDO_ORDINATE_ARRAY(10,10)
  )
);
```

```
INSERT INTO ora_test_points VALUES (
  'point 2',
  20,
  2,
  MDSYS.SDO_GEOMETRY(
    2001,
    NULL,
    NULL,
    MDSYS.SDO_ELEM_INFO_ARRAY(1,1,1),
    MDSYS.SDO_ORDINATE_ARRAY(20,10)
  )
);
```

```
INSERT INTO ora_test_points VALUES (
  'point 3',
  30,
  3,
  MDSYS.SDO_GEOMETRY(
    2001,
    NULL,
    NULL,
    MDSYS.SDO_ELEM_INFO_ARRAY(1,1,1),
    MDSYS.SDO_ORDINATE_ARRAY(20,30)
  )
);
```

```
INSERT INTO ora_test_points VALUES (  
  'point 4',  
  40,  
  4,  
  MDSYS.SDO_GEOMETRY(  
    2001,  
    NULL,  
    NULL,  
    MDSYS.SDO_ELEM_INFO_ARRAY(1,1,1),  
    MDSYS.SDO_ORDINATE_ARRAY(30,10)  
  )  
);
```

```
INSERT INTO ora_test_points VALUES (  
  'point 5',  
  50,  
  5,  
  MDSYS.SDO_GEOMETRY(  
    2001,  
    NULL,  
    NULL,  
    MDSYS.SDO_ELEM_INFO_ARRAY(1,1,1),  
    MDSYS.SDO_ORDINATE_ARRAY(-20,10)  
  )  
);
```

```
create index test_point_index on ORA_TEST_POINTS(SHAPE) INDEXTYPE IS
```

```
MDSYS.SPATIAL_INDEX;
```