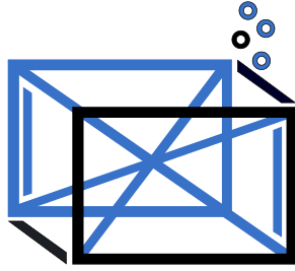


PostGIS Function Guide



RustProof Labs

bringing you data

Type Details

- ST_GeometryType()
- ST_SRID()
- ST_Transform()
- array_agg()
- ST_Dumps()
- ST_Points()

Data Quality

- ST_IsClosed()
- ST_IsCollection()
- ST_IsEmpty()
- ST_IsPolygonCCW()
- ST_IsPolygonCW()
- ST_IsRing()
- ST_IsSimple()
- ST_IsValid()
- ST_IsValidDetail()
- ST_IsValidReason()

Data Sizes

- ST_NDims()
- ST_NPoints()
- pg_column_size()
- ST_Extent()
- ST_EstimatedExtent()
- ST_Envelope()
- ST_Expand()

Aggregation / Disaggregation

- ST_Collect()
- ST_Union()
- ST_LineMerge()

Relationships

- ST_Contains()
- ST_Intersects()
- ST_DWithin()

Performance Tips

- Most PostGIS functions underlying operators

However:

- Don't use ST_Contains() when && will do
- Sometimes returning more rows is faster than a more expensive check

Pitfall Warning

- Know your SRID
- Know your SRID's unit