# Cartography 

- Planar Projections

1. Equidistant Projection
2. Gnomic Projection
3. Orthographic Projection
4. Stereographic Projection
5. Lambert Projection
6. Stab-Werner Projection
7. Globular Projection

Drawing of the graticule (grid network) of the Equidistant projection at a scale of 1/100,000,000 (Interval: 30 degree) and showing the location of Turkey.

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Türkiye

Equidistant Projection


The radius of the parallel passing through a point, It is the distance from the point to the tangent point




## Distortions


http://cartonerd.blogspot.com.tr/2014/08/web-mercator-and-comparisons.html


## Properties of Projection (Polar Type)

- It shows the whole world.
- Maintains length along meridians. Parallels are circles.
- Distance are equal between consecutive parallels.
- Meridians are radial.
- The lengths of the meridians are equal to their lengths on earth.
- The least error is around the tangent point.
- Distortion rates increase as you move away from the tangent point.
- At the antipode of the tangent point (the point symmetrical with respect to the center), the distortions are infinite.


## Azimuthal Equidistant

 Zenithal Equidistant


Distortions sphere and Tissot's indicatrix

## Usage

$\cdot$-t is used in drawing maps aimed at maintaining length along the meridians. -lt is used in the making of polar maps.

