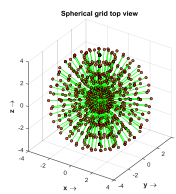
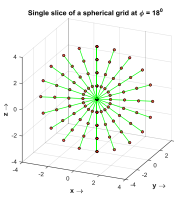


Spherical
Grid

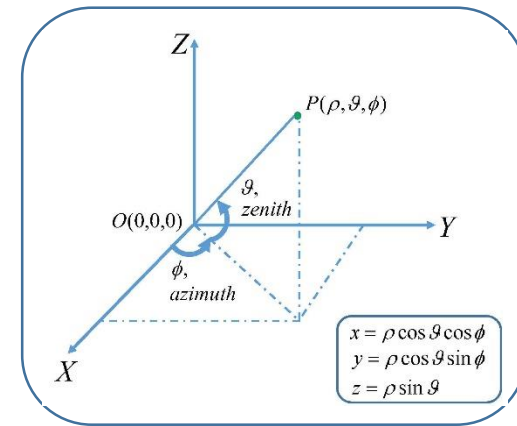


Level q
Polar slice



$q\Delta\phi, azimuth$

Spherical
coordinates



$(q\Delta\phi, 180 - q\Delta\phi)$

X-axis
oriented
slices

$(90 - q\Delta\phi, 90 + q\Delta\phi)$

Y-axis
oriented
slices

Level p lines

$p\Delta\theta, zenith$

XX block

XZ block

YY block

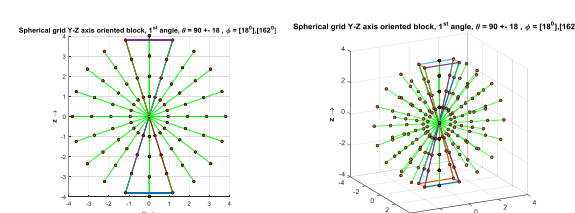
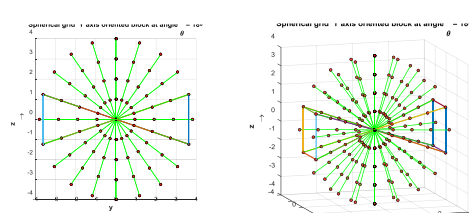
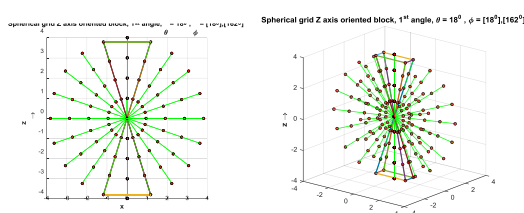
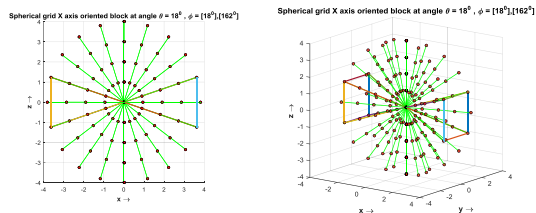
YZ block

$(p\Delta\theta, 180 - p\Delta\theta)$

$(90 - p\Delta\theta, 90 + p\Delta\theta)$

$(p\Delta\theta, 180 - p\Delta\theta)$

$(90 - p\Delta\theta, 90 + p\Delta\theta)$



$$\alpha_{xx}^{pq} = \cos(p\Delta\theta)\cos(q\Delta\phi)$$

$$\beta_{xx}^{pq} = \cos(p\Delta\theta)\sin(q\Delta\phi)$$

$$\gamma_{xx}^p = \sin(p\Delta\theta)$$

$$\gamma_{xz}^p = \cos(p\Delta\theta)$$

$$\alpha_{xz}^{pq} = \sin(p\Delta\theta)\cos(q\Delta\phi)$$

$$\beta_{xz}^{pq} = \sin(p\Delta\theta)\sin(q\Delta\phi)$$

$$\beta_{yy}^{pq} = \cos(p\Delta\theta)\cos(q\Delta\phi)$$

$$\alpha_{yy}^{pq} = \cos(p\Delta\theta)\sin(q\Delta\phi)$$

$$\gamma_{yy}^p = \sin(p\Delta\theta)$$

$$\gamma_{yz}^p = \cos(p\Delta\theta)$$

$$\alpha_{yz}^{pq} = \sin(p\Delta\theta)\sin(q\Delta\phi)$$

$$\beta_{yz}^{pq} = \sin(p\Delta\theta)\cos(q\Delta\phi)$$