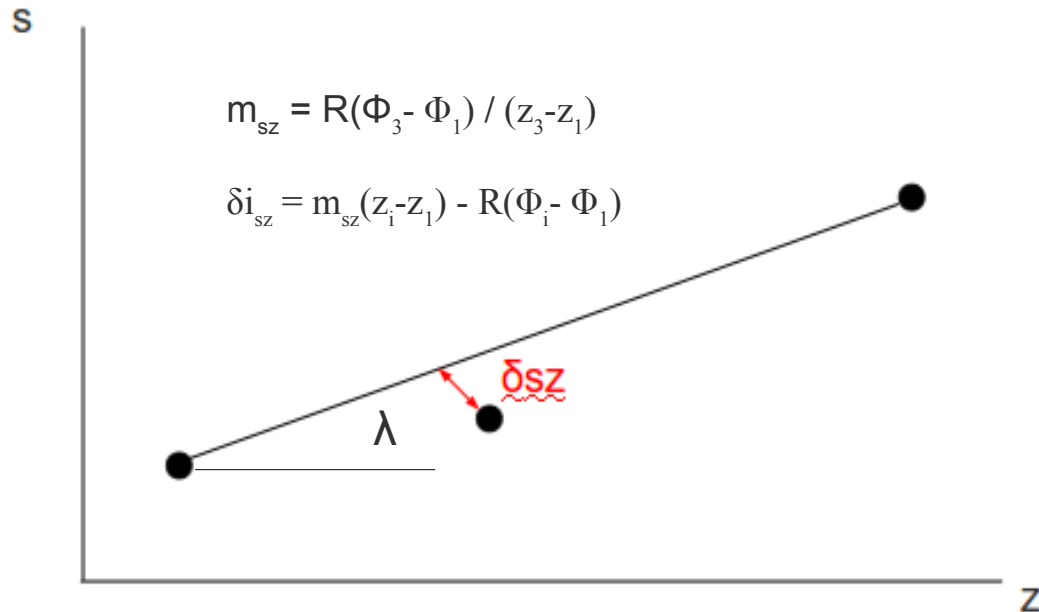


Dip Angle

- Make a plot in the s-z plane, where $\Delta s_{ji} = R\Delta\Phi_{ji}$

$$\tan\lambda = ds/dz$$

$$Pz = Pt * \tan\lambda$$



** In G4MICE they only calculated ds/dz from the boundary points

Find the slope of the line, m_{sz} , that passes between the first and last points

The general equation for that line would then be

$$R(\Phi - \Phi_1) = m_{sz}(z - z_1)$$

for any Φ and z that lie on the line.

Therefore, we can define a deviation, or “road variable”, δi_{sz} for any point which does not lie on the line to be

$$\delta i_{sz} = m_{sz}(z_i - z_1) - R(\Phi_i - \Phi_1)$$

For the i th point.

- Statistics are small, but it looks promising?

