

Actual Stokes vectors

$$\{\vec{S}_a\}$$

Experimentally measured  
intensities

$$\{\vec{I}_{\text{meas}}\} = A_a \{\vec{S}_a\}$$

Error analysis



$$\{\vec{S}_p\}$$

Perceived Stokes vectors

Analysis with wrong  
instrument matrix

$$\{\vec{S}_p\} = A_p^{-1} \{\vec{I}_{\text{meas}}\}$$

