4. Shearing Strains

Segment (no load)

\[ \gamma = \omega R^* S' - \omega R^* s^* \]
\[ \gamma = \frac{\pi}{2} - \omega R^* s^* = \angle S' e^* s^* \]

\[ \rho^+ \Delta x \rightarrow S' \]

Side View

After load

\[ S' \text{ is drawn straight across from } R^+ \]

End View