

Blade channels description

rotorse.rc.s : blade nondimensional span location

rotorse.rc.chord (m): Chord distribution

rotorse.re.pitch_axis : 1D array of the chordwise position of the pitch axis (0-LE, 1-TE), defined along blade span.

rotorse.theta (deg): Twist angle at each section (positive decreases angle of attack)

rotorse.EA (N): axial stiffness

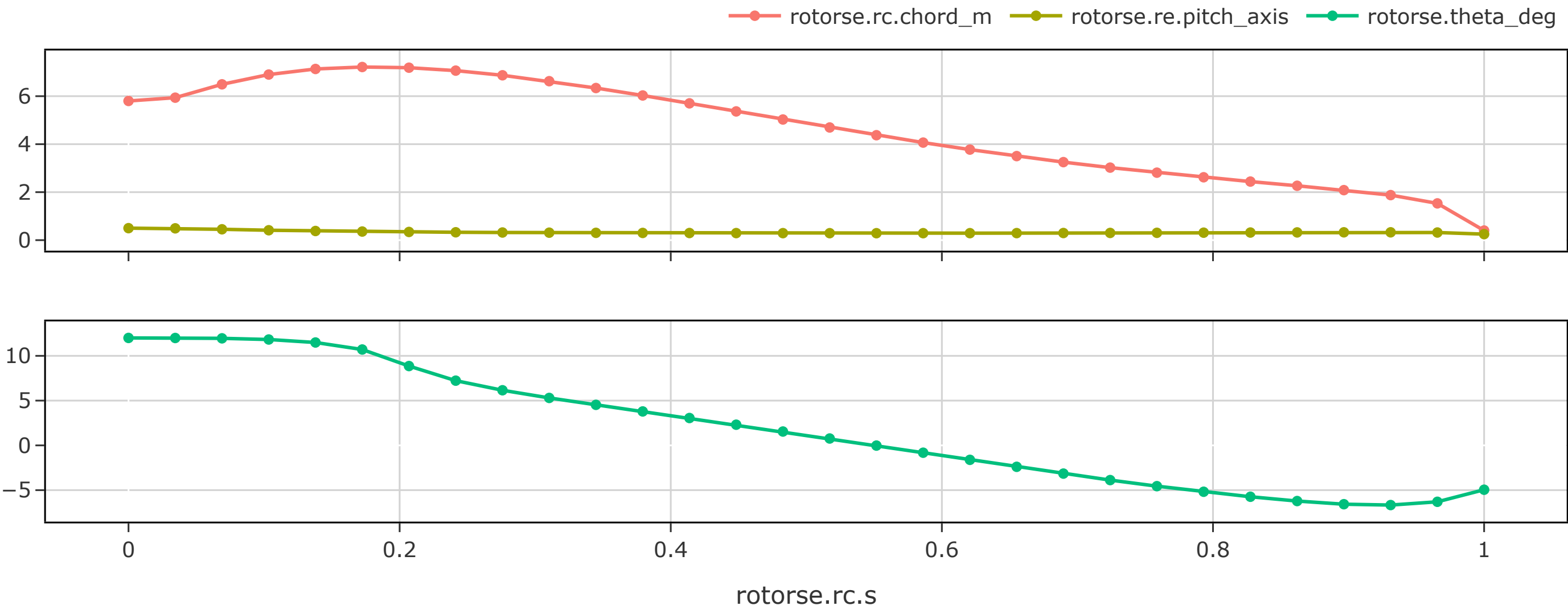
rotorse.Elxx (N*m**2): edgewise stiffness (bending about :ref:x-axis of airfoil aligned coordinate system <blade_airfoil_coord>)

rotorse.Elyy (N*m**2): flapwise stiffness (bending about y-axis of airfoil aligned coordinate system)

rotorse.GJ (N*m**2): torsional stiffness (about axial z-direction of airfoil aligned coordinate system)

rotorse.rhoA (kg/m): mass per unit length

Blade Shape Properties



Blade Structure Properties

