彈性力學 1999 第八次作業

1. Given the following deformation

$$x_1 = cos(\tau X_3)X_1 - sin(\tau X_3)X_2$$

$$x_2 = sin(\tau X_3)X_1 + cos(\tau X_3)X_2$$

$$x_3 = X_3$$

(1). Plot the torsion behavior.
(2). Find F.
(3). Find R, U, V.
(4). Find C, B.
(5). Find Φ, Σ, Ψ^T.
(6). Find H and L.
(7). Find Ω and ω.