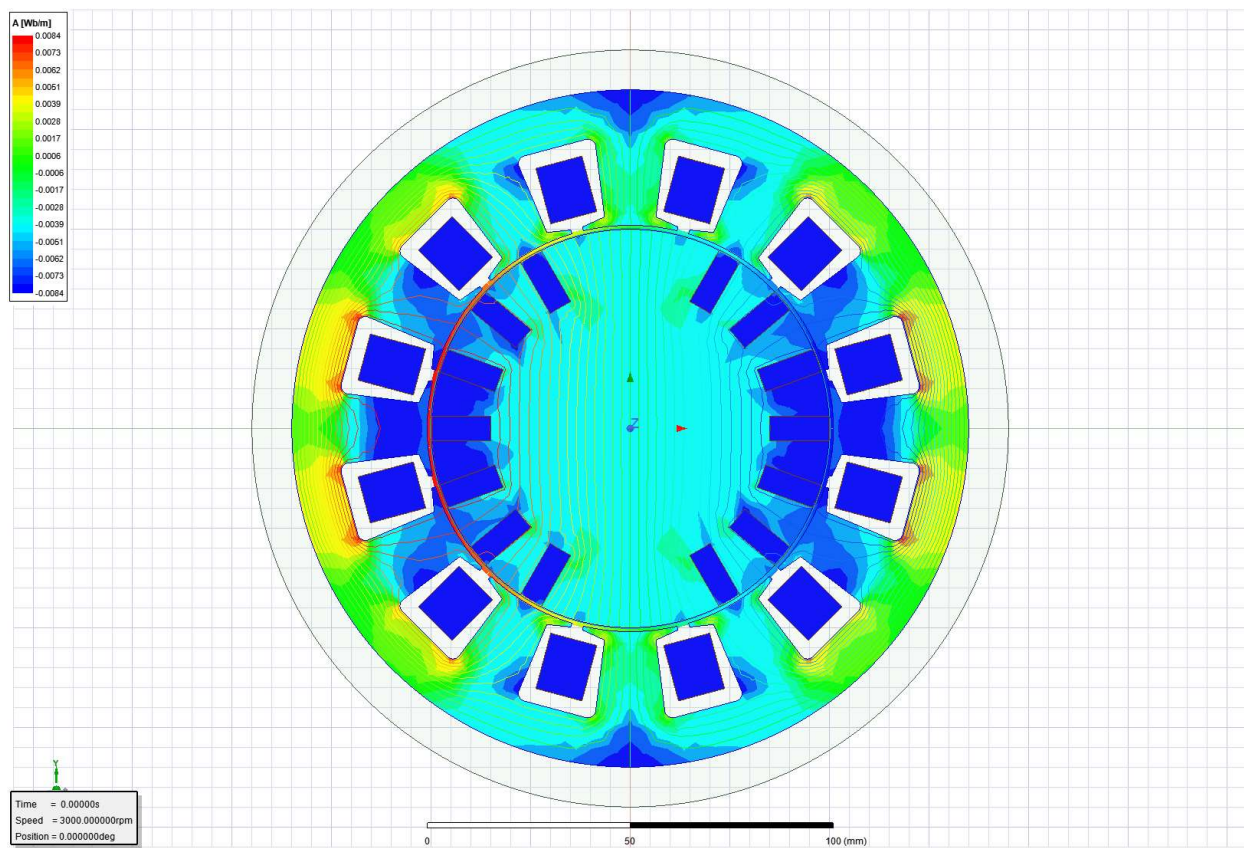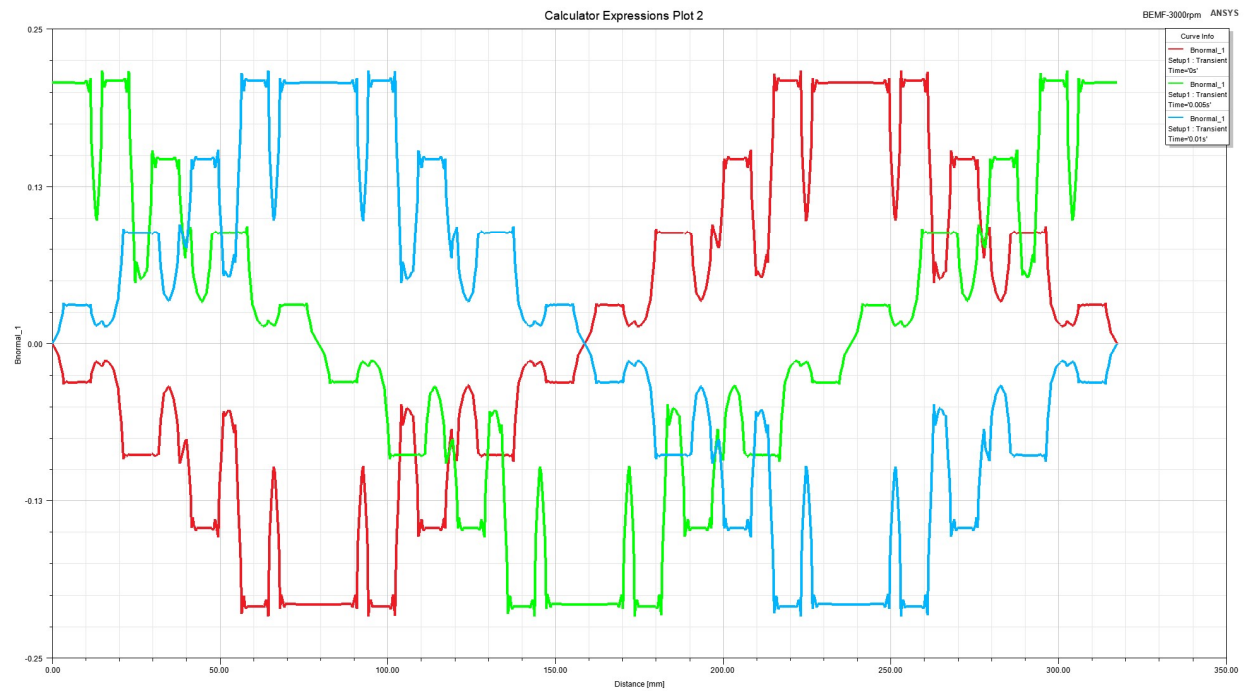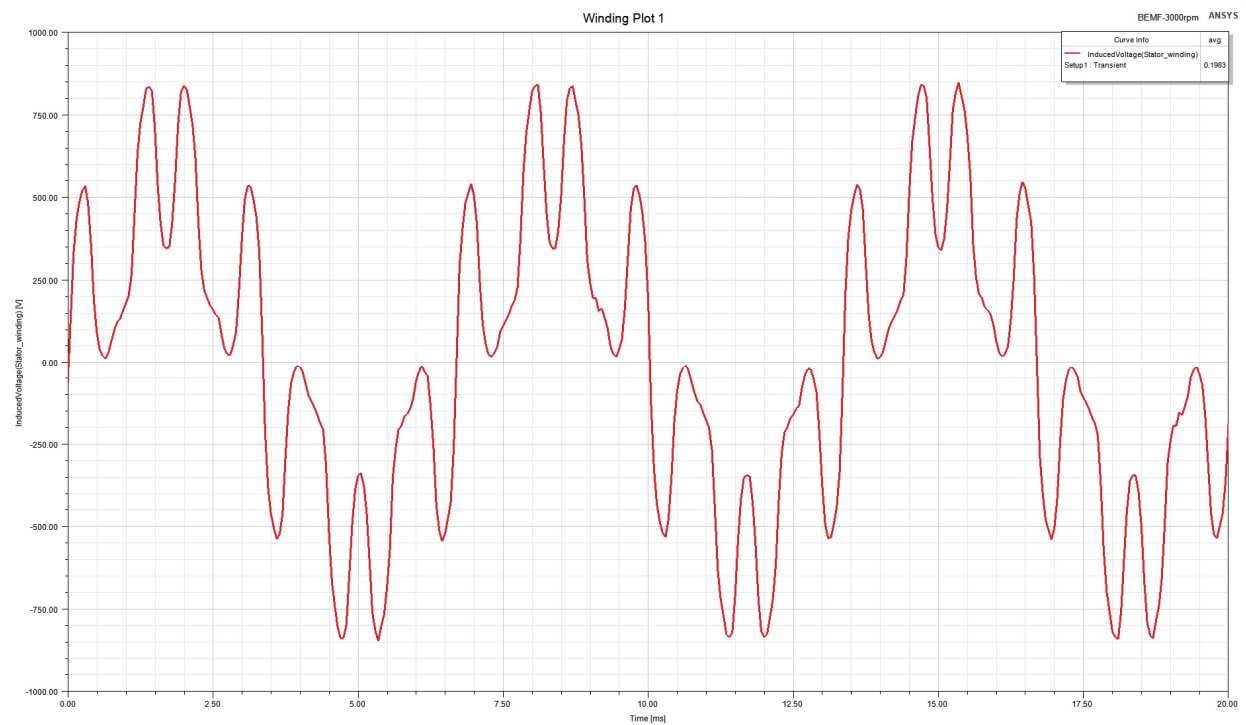Keegan Smith

4/17/23

Emech HW4

A.1 Flux lines and Flux Density Distributions
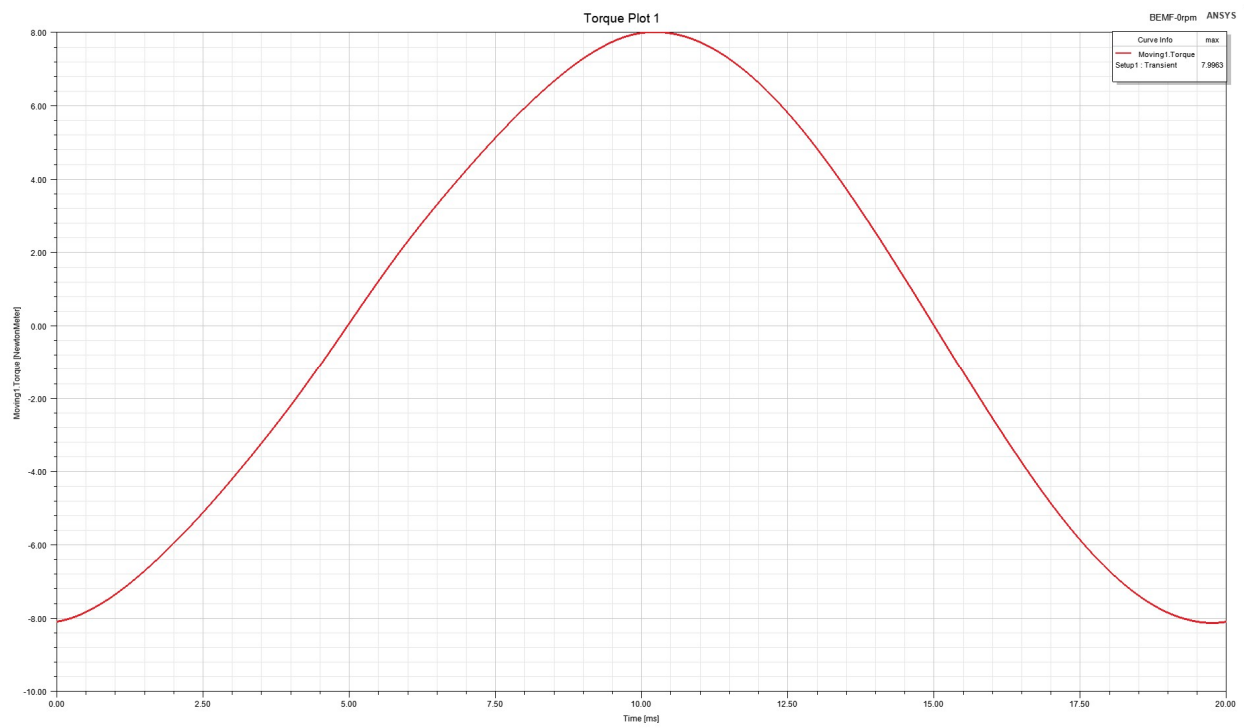
A.2 Radial Component of Flux density on the circular line, t = 0

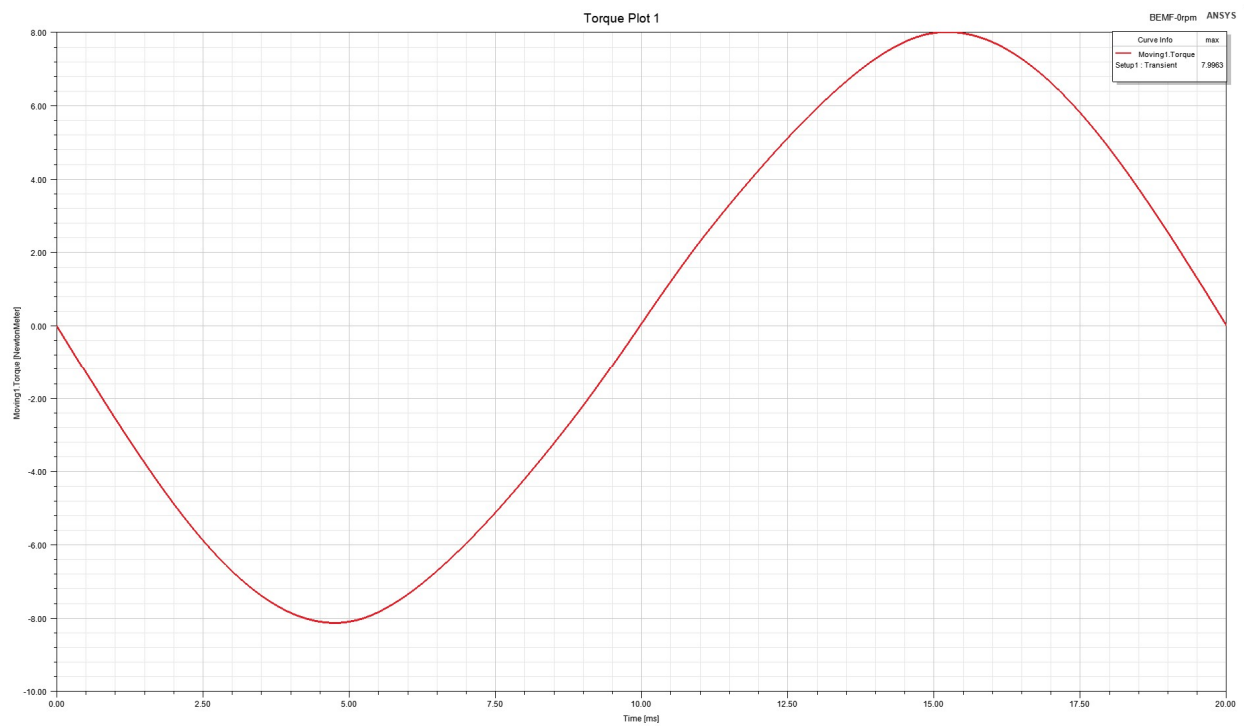*A.3 Voltage Induced in Stator Windings*
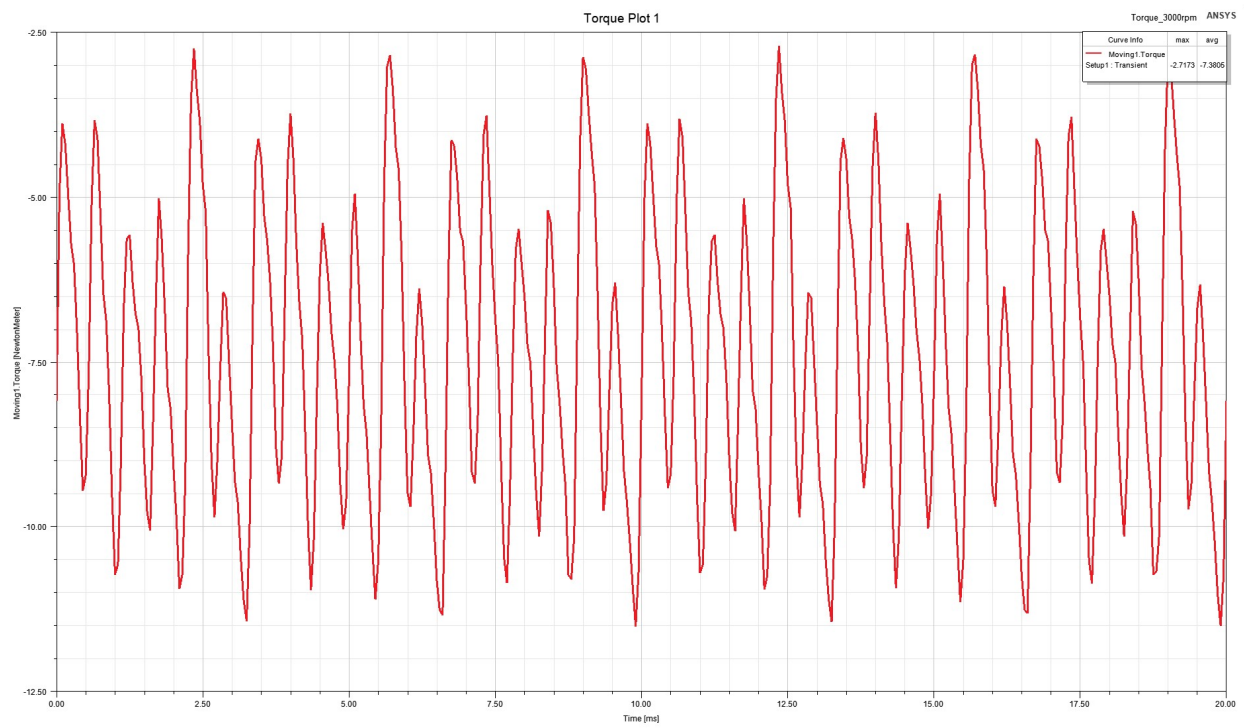

The frequency of the wave is about 0.15Hz

B.1 Torque for phee = 0

Amplitude = 7.99 Nm, Frequency = 0.015Hz
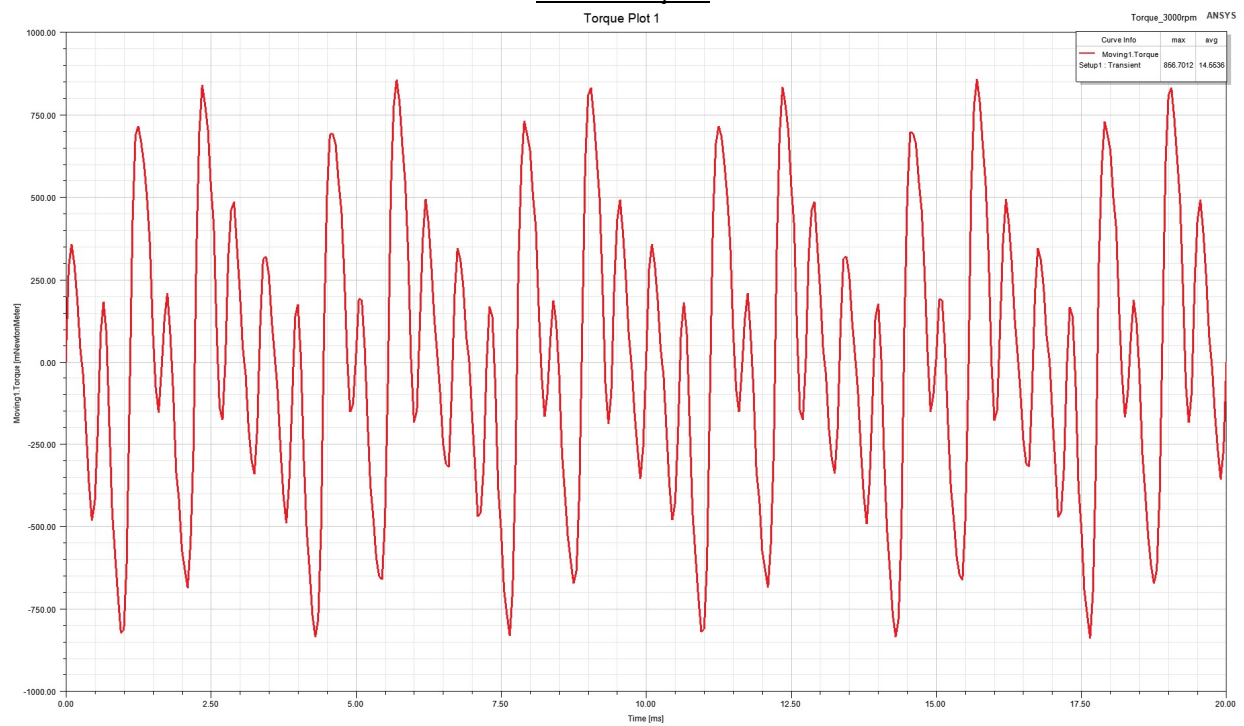
B.2 Torque for phee = pi/2

Amplitude = 7.99Nm, Frequency = 0.015Hz

C. Phee = 0

Average torque = -7.3805 Nm

C. Phee = pi/2

Average torque = 14.554 Nm