EE568 Project 3: PM Motor Comparison Analysis

Baris Kuseyri

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1 Q1- Magnetic Loading

number of phases	m	3
number of poles	p	4
motor axial length [mm]	l	100
air-gap clearance [mm]	δ_g	1
magnet to pole pitch ratio		0.8
magnet type		NdFeB N42 grade (μ_r=1.05), radial shaped
rotor diameter [mm]	D_r	100
magnet radial thickness [mm]	t_m	4