## MIDDLE EAST TECHNICAL UNIVERSITY DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING EE568 - SELECTED TOPICS ON ELECTRICAL MACHINES PROJECT #1 REPORT March 1, 2020

## Torque in a Variable Reluctance Machine

- 1 Introduction
- 2 Analytical Calculations
- 3 FEA MODELING (2D, LINEAR MATERIAL PROPERTIES)
- 4 FEA MODELING (2D, NONLINEAR MATERIAL PROPERTIES)
- 5 FEA MODELING (3D, NONLINEAR MATERIAL PROPERTIES)
- **6** Control Method
- 7 CONCLUSION

## APPENDIX

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