# DECLARATIVE MODELING OF PROTON EXCHANGE MEMBRANE FUEL CELLS FOR SYSTEM DESIGN

A Dissertation Presented to The Academic Faculty

by

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# **GLOSSARY**

independence Generalized resistance to diffusive exchange	X
specific Adjective that indicates the quotient of the following quantity and its associated par	
cle number $[\times N^{-1}]$	Х

# INTRODUCTION

# BACKGROUND

#### FUNDAMENTALS OF THE MODEL

#### IMPLEMENTATION OF THE MODEL

#### **BASIC EXAMPLES**

- 5.1 Test Scenario 1
- 5.1.1 Conditions
- 5.1.2 Results
- 5.1.3 Discussion
- 5.2 Test Scenario 2
- 5.2.1 Conditions
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#### STATIC ANALYSIS

- 6.1 Test Conditions
- 6.2 Results
- 6.3 Discussion

#### **DYNAMIC ANALYSIS**

- 7.1 Test Scenario 1
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