

Machines électriques

Introduction

André Hodder

Informations diverses

Machines électriques (pour EL)

edu.epfl.ch/coursebook/fr/machines-electriques-pour-el-EE-361

Machines électriques (pour EL)

Télécharger la fiche de cours (PDF)

EE-361 / 4 crédits

Enseignant: Hodder André

Langue: Français

1. Circuit Magnétique
2. Transformateur
3. Éléments de base des machines
4. Machine asynchrone
5. Machine à courant continu
6. Machine synchrone
7. Moteur synchrone à aimants permanents
8. Moteur pas à pas

Dans les plans d'études

Génie électrique et électronique ▼
2024-2025 Bachelor semestre 6

Passerelle HES - EL ▼
2024-2025 Semestre printemps

Semaine de référence

	Lu	Ma	Me	Je	Ve
8-9					
9-10					
10-11					
11-12				ELD120	
12-13				ELD120	
13-14					
14-15					
15-16					
16-17					
17-18					
18-19					
19-20					
20-21					
21-22					

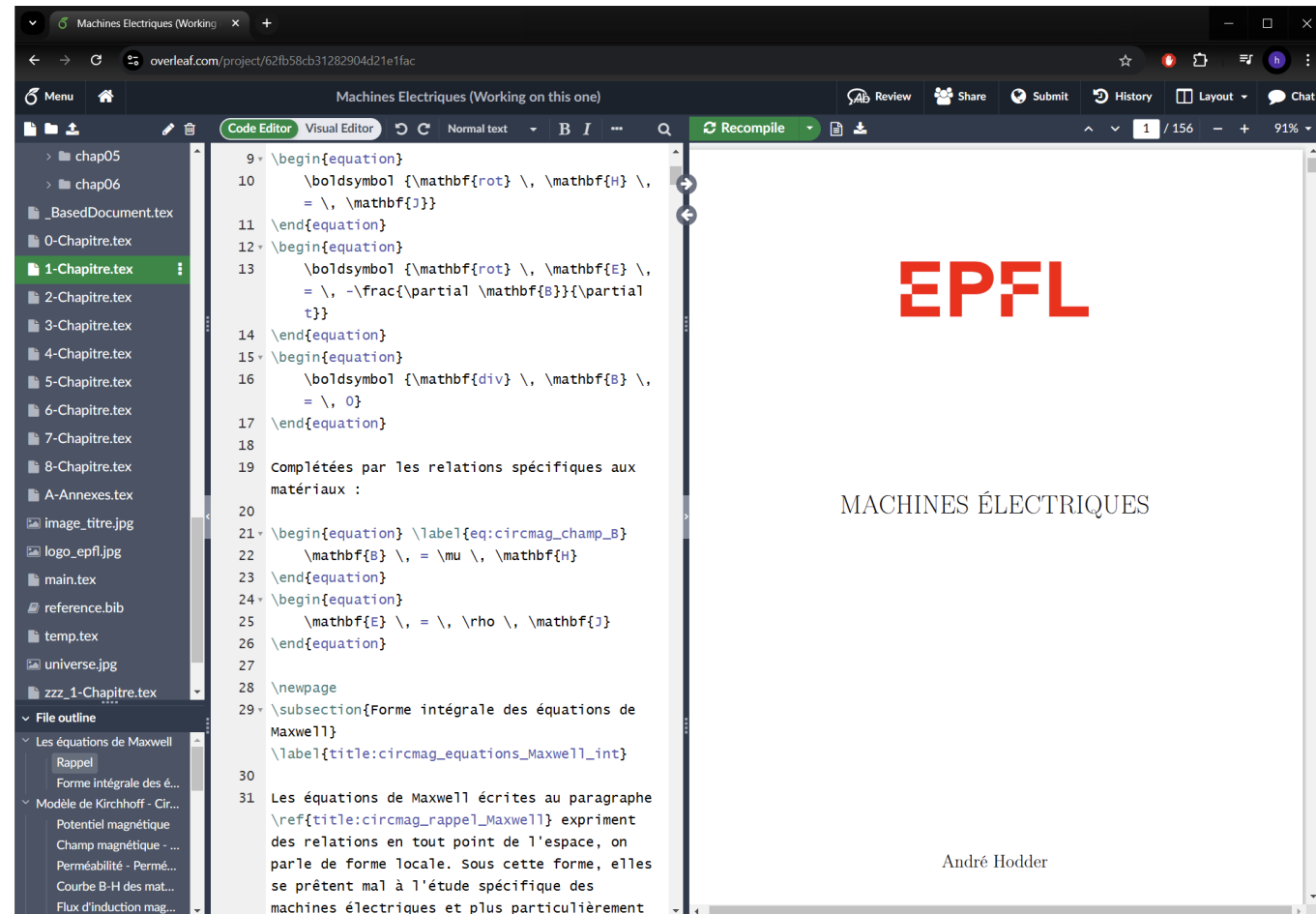
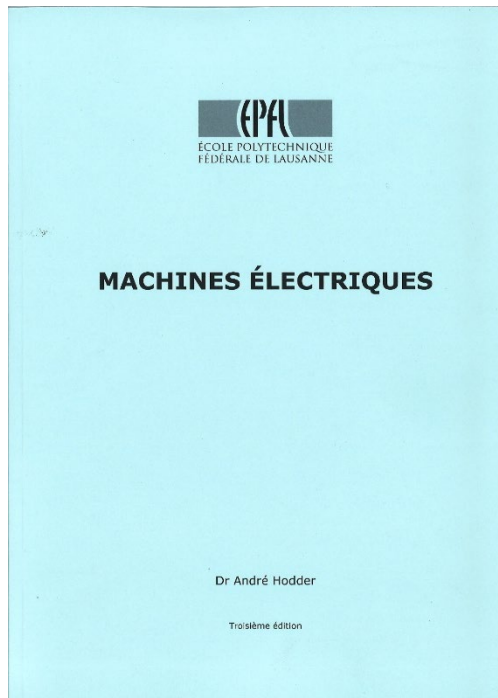
Légendes:

- Cours
- Exercice, TP
- Projet, Labo, autre

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Documentation

- Slide de cours
- Exercices
- Polycopié ... en cours de mise à jour
- Vidéos



Matlab/Simulink/Simscape

- Vos ordinateurs
 - Peu de modules































- vdi.epfl.ch

Add-On Manager

Installed

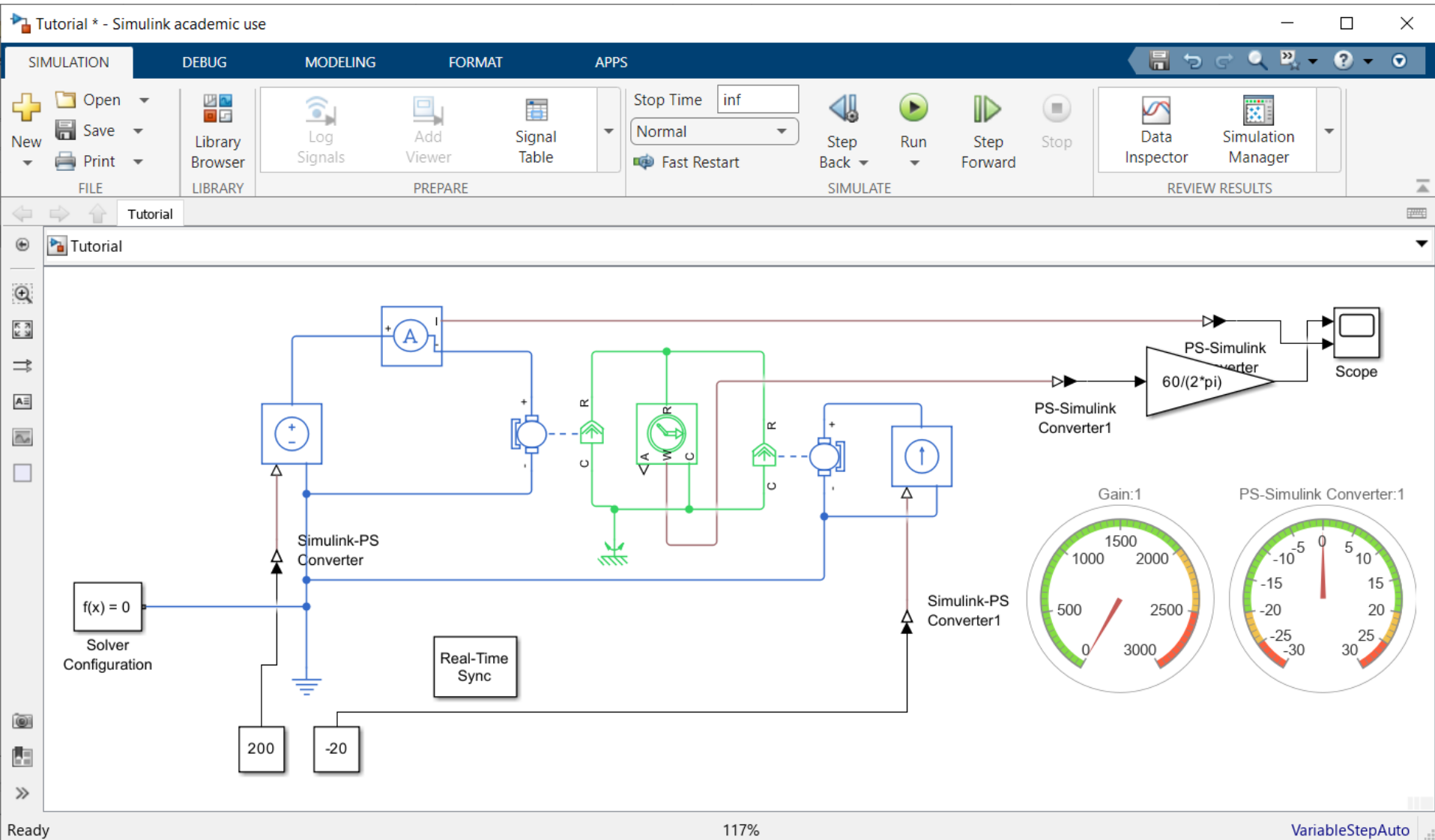
Updates

Get Add-Ons

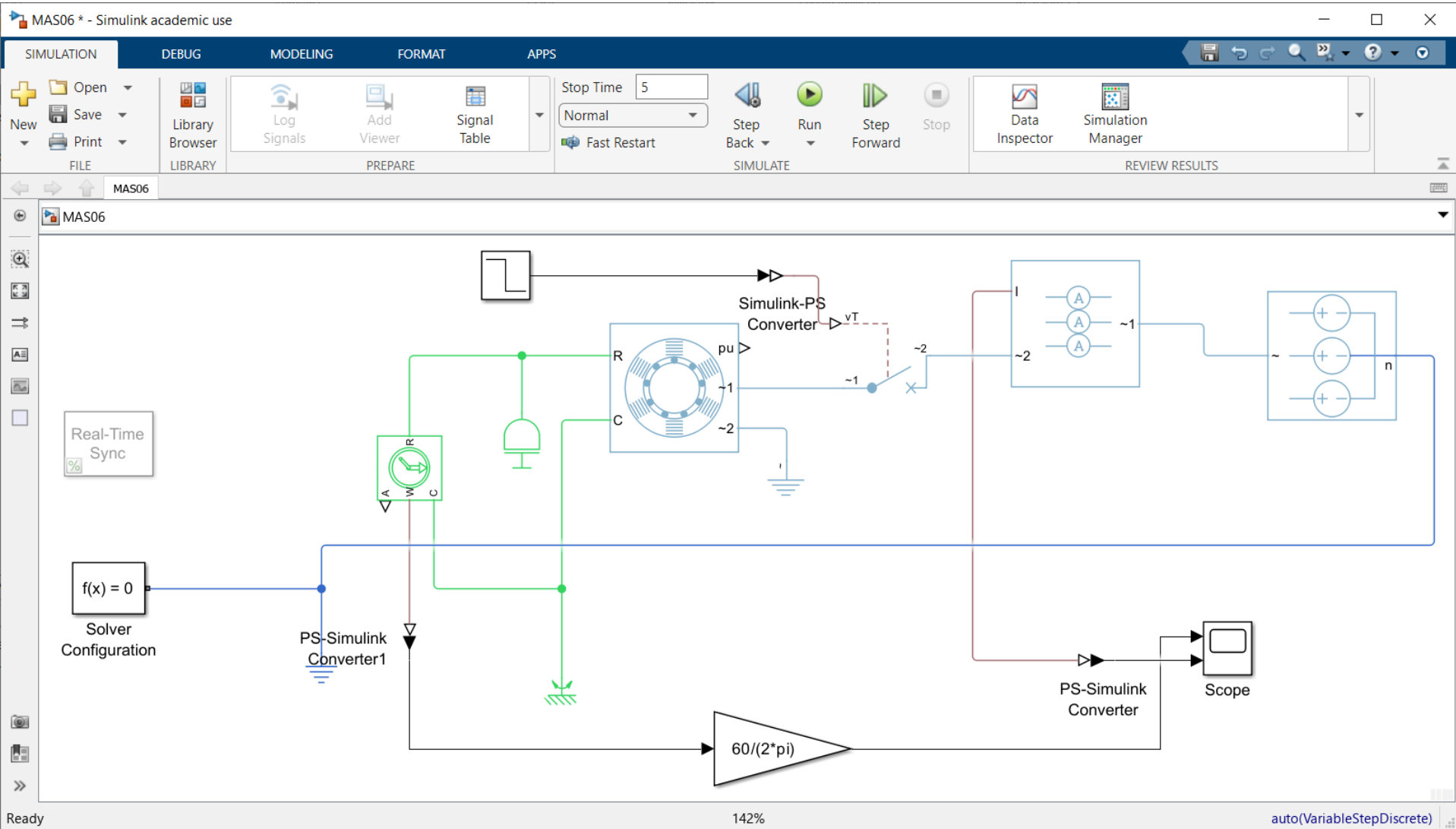
Name	Author	Install Date	
 MATLAB Report Generator version 24.1	 MathWorks	30 January 2025	
 Parallel Computing Toolbox version 24.1	 MathWorks	30 January 2025	
 Simscape version 24.1	 MathWorks	30 January 2025	
 Simscape Battery version 24.1	 MathWorks	30 January 2025	
 Simscape Driveline version 24.1	 MathWorks	30 January 2025	
 Simscape Electrical version 24.1	 MathWorks	30 January 2025	
 Simscape Fluids version 24.1	 MathWorks	30 January 2025	
 Simscape Multibody version 24.1	 MathWorks	30 January 2025	
 Simulink version 24.1	 MathWorks	30 January 2025	
 Simulink Desktop Real-Time version 24.1	 MathWorks	30 January 2025	
 Symbolic Math Toolbox version 24.1	 MathWorks	30 January 2025	
 TPBlueBox version 4.5	André Hodder	18 September ...	
 TPCircMag version 4.6	André Hodder	19 March 2024	
 TPImportBackup version 1.1	André Hodder	16 April 2024	
 TPMAS version 5.0	André Hodder	15 October 2024	
 TPMoteurDC version 5.7	André Hodder	16 April 2024	
 Variable Reluctance Motor (Stepper Motor) version 1.5	André Hodder	16 April 2024	

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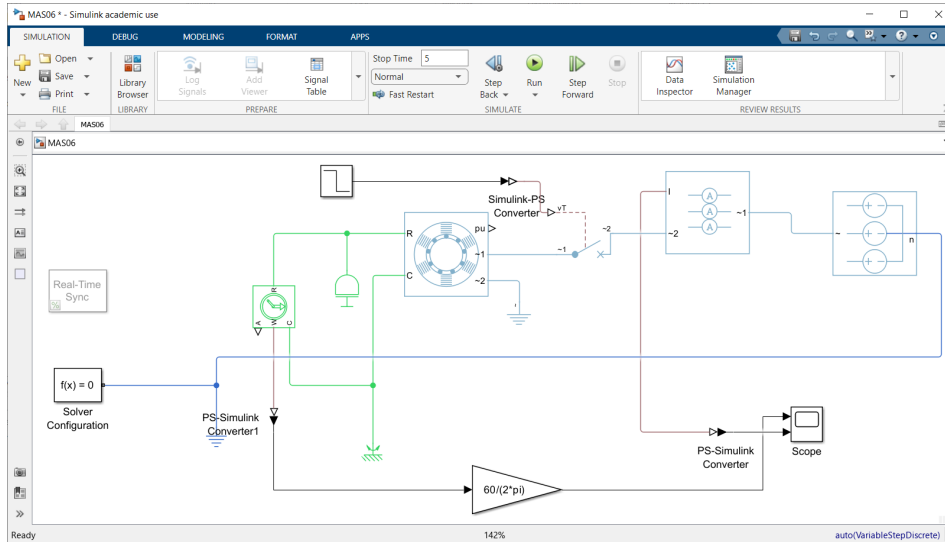
Matlab/Simulink/Simscape



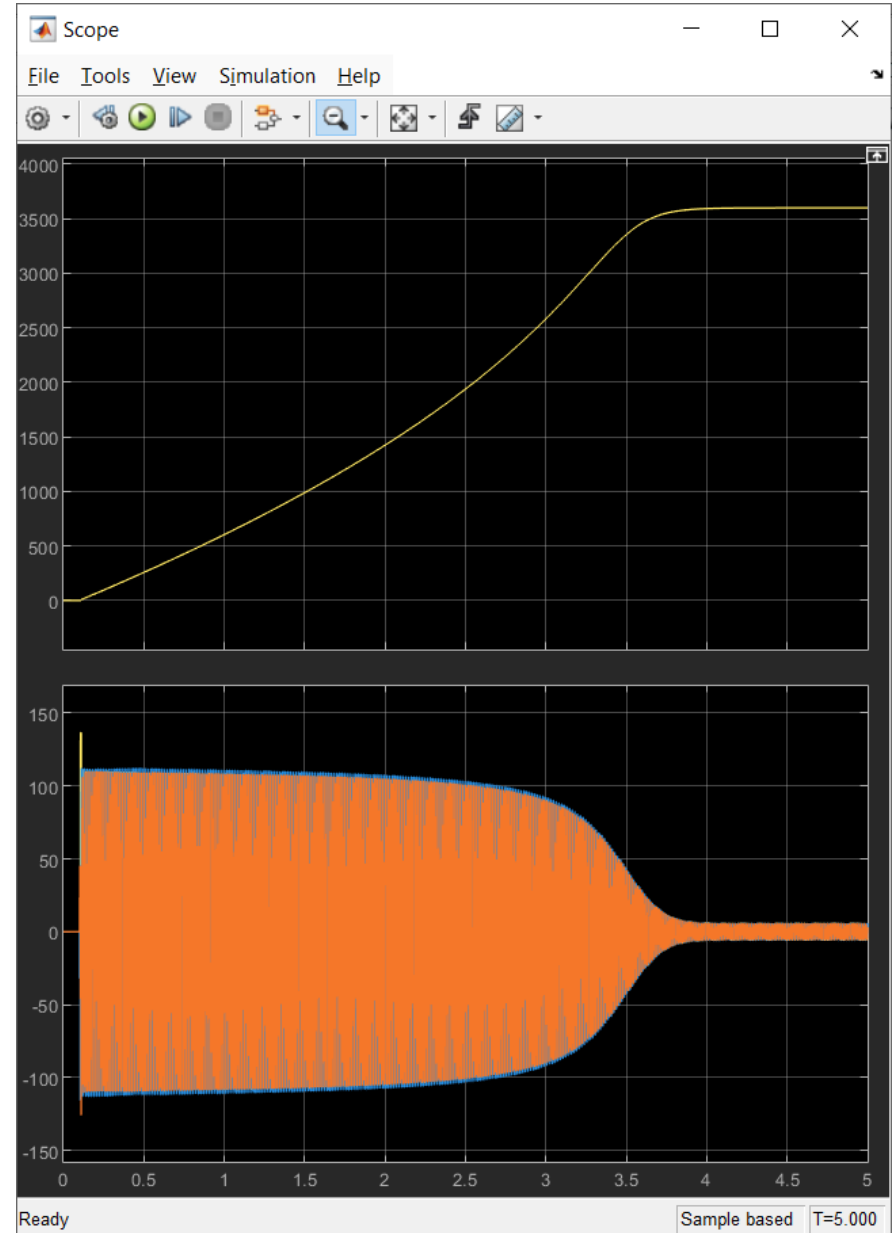
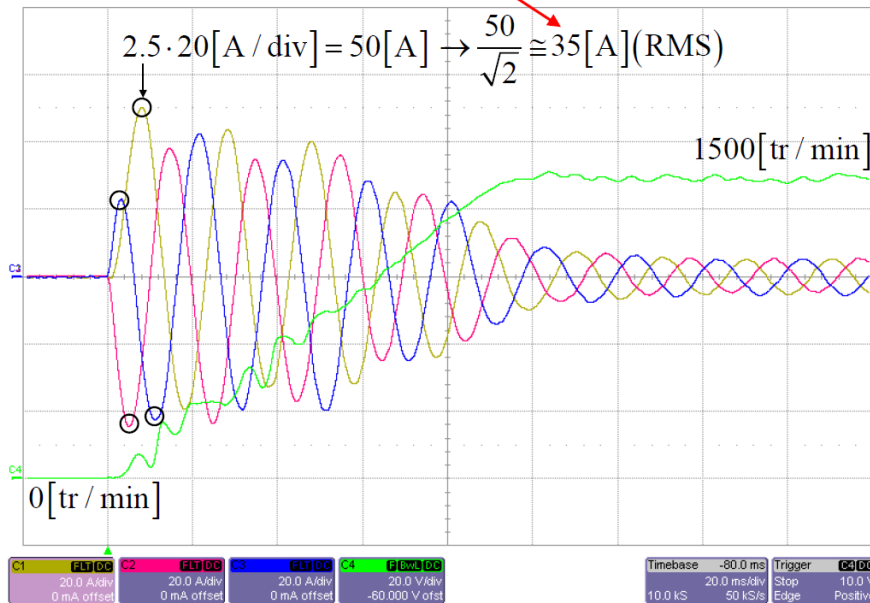
Matlab/Simulink/Simscape



Matlab/Simulink/Simscape



Démarrage d'un moteur asynchrone 2.2 kW ($I_n = 5A$)





Discord EE-361