Phasor Toolbox Documentation

Your Name

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Introduction

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1.1 Introduction

The Phasor Toolbox is designed to facilitate the analysis and simulation of systems represented in the harmonic domain. This toolbox includes essential classes such as ‘PhasorSS‘ and ‘dSpaceDataExplorer‘, which provide users with the tools necessary to model, simulate, and analyze periodic systems effectively.

1.1.1 Purpose

The primary purpose of the Phasor Toolbox is to offer a comprehensive framework for handling periodic matrices and state-space representations. By leveraging the capabilities of the ‘PhasorSS‘ class, users can create and manipulate state-space models that incorporate phasor arrays, enabling advanced simulations and analyses.

1.1.2 Scope

This documentation covers the following key components of the Phasor Toolbox:

- Overview of the ‘PhasorSS‘ class, including its properties, methods, and usage examples.
- Detailed documentation of the ‘dSpaceDataExplorer‘ class, outlining its functionalities and integration within the toolbox.
- Guidelines for utilizing the toolbox effectively, including best practices and common use cases.

The subsequent chapters will delve into the specifics of each class, providing users with the necessary information to harness the full potential of the Phasor Toolbox.