

Learning Module

Uncertainty Quantification with Isight

This course introduces Isight users to methods dealing with statistical behavior as a result of variability in the system. It discusses why uncertainty quantification (UQ) analysis is important, presents concepts and methods in Isight to do UQ analysis, and shows users how to use Isight's open architecture to integrate their own algorithms into components as plugins.

Objectives

Upon completion of this course you will be able to:

- Use various Isight components to perform stochastic analysis.
- Understand concepts used in Taguchi, reliability and Six Sigma methods.

Knowledge Prerequisites

Introduction to Isight

Language(s) for selected release

English

Brands

Simulia

Available Releases

SIMULIA 2021, SIMULIA 2020

Duration

8 hours

Discipline

Isight

Contents

Overview - Uncertainty Quantification with Isight

- 1 - Introduction
- 2 - Reliability Analysis Techniques
- 3 - Six Sigma Concept and Component
- 4 - Taguchi Method
- 5 - Plugin Development