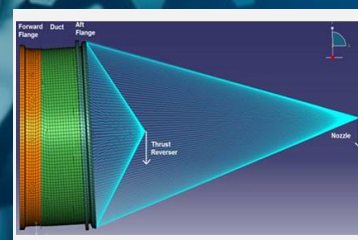


UNCERTAINTY QUANTIFICATION WITH ISIGHT

SIMULIA COURSE DESCRIPTION



Level: Advanced

Products: Isight

Disciplines: Automation; Design Exploration & Optimization

Audience

Simulation Analysts, Design Engineers, Quality Engineers, Manufacturing Engineers, Reliability Engineers, Students and anyone interested in performing stochastic analysis

Why take this course?

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

What will you learn?

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

Explore Your Learning Options

Live Sessions	Engage in Real-Time, interactive group workshops guided by experts. Learn and collaborate live in your preferred language and time zone.	Join a live session
On-Demand Learning	Access expert-designed courses anytime, anywhere. Perfect for independent learners looking to build skills on their schedule.	Start Learning Now
Private Training	Exclusive, tailor-made sessions designed to meet your team's unique goals with expert guidance.	Contact Us for Custom Training



Gain hands-on experience and master real-world workflows through guided, practical training sessions.

Automate and optimize simulation processes to improve design efficiency and decision quality.

– SIMULIA Training Expert Team

What You Need to Know Before Starting

Introduction to Isight

Agenda for Virtual Live Sessions

Participate in hands-on, real-time workshops where you'll gain practical expertise. Here's what you'll cover:

[Join an Instructor Led Session](#)

Day 1

Lesson 1: Introduction

Lesson 2: Reliability Analysis Techniques

Workshop 1: Sizing an Adapter Duct

Lesson 3: Six Sigma Concept and Component

Workshop 2: Reliability Analysis on an Approximation model

Workshop 3: Reliability-Optimization on an Approximation model

Lesson 4: Taguchi Method

Workshop 4: Robust Design of a Compression Spring

Workshop 5: Taguchi Dynamic Analysis of a Diving Board

Lesson 5: Plug-in Development

Want to Learn More?

Expand your knowledge by exploring our [course Catalog](#) and browsing learning paths on [Eduspace](#), our dedicated e-learning platform.

Join the Community!

[Join the SIMULIA community](#) to connect, learn, and stay updated.



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