Geomagic Wrap Training



Geomagic Wrap



What is the synopsis for a Geomagic Wrap Training Course

Geomagic Wrap Class

Course ID: WRP-TR-CL Level: Fundamentals Duration:

- In-person instructor-led classroom session, 2-days •
- Virtual Classroom, 2-days •
- Onsite Training, 2-days

Overview

This instructor-led course covers the usage and concepts of Geomagic Wrap. The user will learn how to interact with the application, edit point cloud data, generate and edit STL models, and create NURBS surface models for downstream applications.

Who should attend?

This course is designed for new users to **Geomagic Wrap** who are responsible for creating STL and/or surface models of scanned parts.

What will I learn?

- Processing of scan data, point cloud and mesh
- Editing of mesh data
- Create water-tight mesh models
- Generating NURBS Surface models
- Export data for downstream applications

Course Agenda

- Geomagic Wrap Overview
 - Introduction to Geomagic Wrap
 - Concepts and Workflows
- Learning the User Interface
 - User Interface
 - Selection and Navigation
 - Ribbons and Dialogs
- Point Fundamentals
 - Basic Point Cloud Editing
 - Data Registration and Merging
- Mesh Fundamentals
 - Basic Mesh Editing
- Aligning Scan Data to World
- Exact Surfacing Fundamentals
 - Auto Surface
 - Manual Surface Layout
- Exporting of Data
 - Exporting IGES, STEP and STL data
- Open Discussion
 - Time available to discuss company specific workflows and techniques

Prerequisites

In this course the user will be working intensively with **Geomagic Wrap**. To successfully understand the content and complete the activities, the user must already be able to:

- Understand and use Windows conventions
- Understand basic scanning techniques
- Understand basic surfacing concepts

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