



DIAdem Basics

The DIAdem Basics course teaches you how to use the most important analysis, reporting, and data management features of the DIAdem environment. Discover how to import data sets, analyze them visually and computationally, and create publisher-quality reports. Also learn how to use DIAdem SCRIPT to automate each of these tasks.

- Classroom: 3 days
- On-Site: 3 days
- Virtual: four 4-hour sessions
- Online: self-paced

Coursework Goals

- Find the data you want to import using simple search terms and conditions
- Import ASCII files and load TDM files
- View and graphically investigate loaded data
- Execute channel-based calculations on loaded data
- Create reports to present the data, including graphs and tables
- Use DIAdem SCRIPT to automate the above steps
- Complete the most common tasks performed in DIAdem

Prerequisites

- Experience using Windows; programming experience is helpful but not essential

NI Products Used

- DIAdem

Coursework Topics

Introduction to DIAdem

Get an introduction to the DIAdem environment. This lesson examines the role, inherent operations, and main components of DIAdem.



Managing Data

Learn how to use data within the DIAdem environment. Explore how to search for data with the DataFinder, and how data is organized in DIAdem. Topics include understanding the uses of the NAVIGATOR panel, learning about the components of the NAVIGATOR panel, and searching for data with the DataFinder.

Viewing Data

Use DIAdem to display channels as curves or tables; add text, pictures, or videos to the layout; and create, save, and load layouts. Topics include learning about the components of the VIEW panel, getting data into the VIEW panel, and loading and saving a DIAdem VIEW layout.

Reporting Data

Discover how to use DIAdem to display your data in graphs or in tables. Learn how to share results with others and collaborate on projects by communicating results clearly and concisely with a drag and-drop environment tailored for creating engineering and scientific reports.

Analyzing Data

Explore how to use the ANALYSIS panel to perform interactive analysis using the DIAdem analysis libraries. Also learn how to analyze data using a wide range of mathematical functions.

Calculator and Calculation Manager

Use the Calculator to mathematically analyze data with your own formulas and use the Calculation Manager to create calculation templates, manage calculations, and repeat calculations

Units in DIAdem

Learn how to execute calculations with units and which input help DIAdem provides. Topics include using units in DIAdem, understanding units definition and use, and editing the units catalog

Automating sequences

Learn how to automate recurring sequences and standard evaluations as scripts in DIAdem SCRIPT. Topics include understanding the uses of the SCRIPT panel, learning about the components of the SCRIPT panel, and automating DIAdem with the recording mode.

Executing Typical Tasks With DIAdem

Solve common tasks with DIAdem. Topics include loading non-DIAdem data, identifying and graphing peaks, finding events and trends, and working with 3D data.

Suggested Next Courses:

- DIAdem Data Acquisition and Control
- DIAdem Advanced

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