



Wolfram Mathematica

The world's most advanced global computing environment

Introductory Seminar to *Mathematica* V6

Date: 3rd & 4th July 2008

Course Objective

To provide in a two-day training course direct experience with all of the basic features of *Mathematica* as well as a comprehensive foundation for developing advanced applications of the system.

Presenter

Mr. Peter Lim / Mr. Fred Ng

Course Outline

MODULE 01: Mathematica Basic Operations and computations

MODULE 02: Mathematics I (Symbolic Computation)

MODULE 03: Mathematics II (Numeric Computation)

MODULE 04: Graphics

MODULE 05: Notebook and Typesetting

MODULE 06: Working with data

MODULE 07: Programming

MODULE 08: Applications & Examples



Training Benefits:

- A set of printed course notes.
 - A copy of 15-day full Mathematica CD.
 - Free refreshments, lunch, door gift & drink included.
 - Practical, hands-on experience to bring users up to speed quickly
 - Course completion certificate.
 - We limit the numbers on each course for an optimum delegate/trainer ratio, because people learn better in smaller groups and there is greater opportunity for tuition at a more individual level.
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Coordinator

OPTIMAL Expert Management Solutions Sdn Bhd

Venue

CosmoPoint, Petaling Jaya

TIME: 10.00am~5.00pm (2 days)

Fee Table: Register and pay up before **1st June 2008** for the early-bird discount

Criteria	Early Bird Price (Before 1 st June)	Normal Price
Students	RM 250	RM 300
Active Premier Service Subscribers	RM 255	RM 340
Others	RM 300	RM 400

Introductory Seminar to *Mathematica* V6

Course Objective

To give a broad overview as well as direct experience of the major new & basic features in Mathematica, including information on graphics and visualization, dynamic interactivity, core language, symbolic interface construction, importing and exporting, and using example-driven materials, as a comprehensive foundation for university students & lecturers.

Target Audience

The fundamental course is designed primarily for people who have little or no experience with the system.

Delivery Type

Courses are delivered as instructor-led classes in computer classroom facilities. Course topics are presented with alternating sessions of lectures and exercises.

Syllabus

This basic course is organized into 8 segments.

1 Mathematica Basic Operations and computations Step-by-step instruction on performing basic operations, building up computations, and navigating the user interface as well as a description of sources for additional information and a tour of the features of the system.	2 Mathematics I (Symbolic Computation) Computation with symbolic expressions, including polynomial operations, solving equations, functions from calculus, and simplification
3 Mathematics II (Numeric Computation) Fitting data, interpolation, integration, solving equations, displaying intermediate values, differential equations, linear systems, exact vs. inexact numbers, arbitrary-precision numbers, and working with large arrays.	4 Graphics Two- and three-dimensional plotting, plotting data, using options, labeling plots, and manipulating graphical expressions
5 Notebooks and Typesetting Introduction to the notebook interface, cells and cell styles, style sheets, typesetting, and formatting features	6 Working with data Importing and exporting data and files, file formats, file paths, working with data collections, and visualization of large data sets.
7 Programming Introduction to the <i>Mathematica</i> programming language with emphasis on familiar programming tasks involving procedural, functional, and rule-based styles of programming.	8 Applications & Examples A set of extended projects designed to give practice in using the topics from this course to develop real-world applications

Prerequisites

Course attendees are expected to have experience with common features of modern computer software. Also helpful are knowledge of mathematics through elementary calculus and experience with computer programming at the level of an introductory course in any computer programming language. No prior *Mathematica* experience is required for this course.

Introductory Seminar to *Mathematica V6*

A TRAINING COURSE WITH OEMSCorp

Date: 3rd & 4th July 2008 (2 Days)
Time: 10:00am – 5:00pm
Cost: RM400/pax
Venue: Cosmopoint Petaling Jaya

REGISTRATION FORM

APPLICANT'S DETAILS:

Name:					
Email:					
Position:					
Organization:					
Faculty / Department:					
Postal Address:					
City:		State:		Nationality:	
Mobile Phone:		Telephone:		Fax:	

I hereby confirm my application for the above-mentioned courses on the specified dates at the total course fee of MYR _____ and declare that I have read and understood the terms and conditions stipulated under the contract.

.....
Signature and Company Stamp

.....
Date

PAYMENT:

• Please make all cheques payable to: **OPTIMAL Expert Management Solutions Sdn Bhd (Maybank Berhad, A/C#512316510680).**

TERMS & CONDITIONS:

- All payments should be received in full **3 days** prior to the course commencement.
- An official invoice & receipt will be issued once the registration & payment have been received.
- A full refund is available if notice of cancellation is given **a week** before the course commencement. However, you may send a substitute for your placement.
- OPTIMAL Expert reserves the right to cancel or reschedule any courses. Every effort will be made to inform participants of the change. Fees will be refunded in FULL if a course is cancelled by OPTIMAL Expert.

ENQUIRIES:

- Please complete the registration form and fax to us at **03-20969026**
- To obtain more information on our training programs and seminars, please contact us at the following:



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