Maple Training with The Fields Institute

Calling All Students...
Maple Training with The Fields Institute!
...And free lunch...

Saturday March 25
10:00 am- 5:15 pm
University of Toronto
Bahen Centre, room 1180

Join us for a day of Maple training at The Fields Institute and learn some of the fundamental concepts for using Maple. Get a hands-on lesson on the basics steps of how to compose, plot, and solve various types of mathematical problems. This training day will also have an overview of Maple packages, advanced features and some programming.

To RSVP to attend, please fill out the form. Please note this session requires that each attendee bring a laptop equipped with a copy of Maple 2016. If you don`t have a working copy of Maple 2016 on your laptop, request a copy in the form and a temporary download copy of Maple 2016 will be emailed to you.

All attendees will be provided with a certificate of completion.

> One attendee will win a FREE MacBook Air Laptop!

Fill out the form below to attend.

Email Address:

[   ]

First Name:

[   ]

Last Name:

[   ]

School:

[   ]

Country:

[United States   ▾]

Region :

Select ------> ▼

Require a copy of Maple?

☐ Yes, I will need a copy of Maple on my laptop.

> Submit

SCHEDULE

9:30 am - 10:00 am
Registration & Set-up

10:00 am - 12:00 pm
Introduction to Maple
Dr. Ilias S. Kotsireas, Professor - Wilfrid Laurier University Department of Physics and Computer Science
Introduction to the basic features and functionalities of Maple and its underlying programming language. There will also be an overview of Maple packages. Emphasis will be given on carrying out small projects, and using Maple's computational and visualization capabilities. The overall guiding principle is that students will be able to conduct their own projects using Maple.

12:00 pm - 1:00 pm
Lunch (provided)

1:00 pm - 3:00 pm
Generating Random Numbers
Erik Postma - Senior Architect, Math Group, Maplesoft R&D
In this session, we will explore what a continuous probability distribution is. We'll then discuss how one can use (pseudo-)random numbers in a computer, and how to generate random numbers according to particular (families of) probability distributions. We'll then discuss several versions of an algorithm for generating random numbers according to an arbitrary probability distribution.

3:00 pm - 3:15 pm
Coffee Break

3:15 pm - 5:15 pm
Mathematical Computation in Maple
Juergen Gerhard - Senior Director, Advanced Research, Maplesoft R&D
A number of examples from application areas such as combinatorics, graph theory, number theory, constrained optimization, astrophysics, geometry, and computational mechanics will be discussed. Participants will be guided to solve these example problems using Maple's mathematical, programming, and formula manipulation capabilities.

About Us

Maplesoft™, a subsidiary of Cybernet Systems Co. Ltd. in Japan, is the leading provider of high-performance software tools for engineering, science, and mathematics. Its product suite reflects the philosophy that given great tools, people can do great things.

Learn more about Maplesoft.

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