

Abstract

Wolfram Mathematica Coding Made Simple for Advanced Computations

We will demonstrate Wolfram Mathematica technologies in the area of data analytics & machine learning, with world-class machine learning and classification algorithms, semantic data representation, and the knowledge-based programming. Also it allows immediate support of a variety of existing and new parallel programming paradigms and data-sharing models, with very minimal configuration! The enormous parallel processing power of GPUs can be used from an integrated built-in interface of Wolfram Mathematica. This allows high-performance solutions for many areas such as financial simulation, image processing, and modelling.

1. Quick Introduction to Wolfram Technology
2. Data Science Workflows in Wolfram Mathematica
3. Computation & Analytics
4. Handling of un-structural data
5. Machine Learning & Predictive Functions
6. GPU Computing