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Using Wolfram Mathematica to Analyze and Visualize experimental data.

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Abstract content
   (Max 300 words)
Formatting &
Special chars

Wolfram Mathematica was developed by the theoretical physicist, Steven Wolfram in the mid 1980's. Since then it has evolved and branched out into many disciplines. Often researchers and teachers still have the impression that it is mainly suited as a tool for theoretical physics, or mathematics. Today that is no longer true, and the aim of this talk is to show it is a powerful environment for gathering and analyzing experimental data. The author will give a overview of functionality and cover some of the latest additions to this technical computing environment. Real time examples will include interfacing with Arduino based sensors and an automated curve fitting application developed for the flotation analysis of mineral ore.

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