

Plotting Advanced Mathematical Functions in Excel using RExcel

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Students first learning about functions benefit immensely from being able to visualize them on a graph. ExcelRGraph is an Excel workbook that uses the power of RExcel to give the user the ability to interactively plot functions via R and view them within the familiar Excel interface. Whereas the plotting window of many graphing calculators is small and has unlabeled axes, ExcelRGraph is able to take full advantage of all the advanced graphing features available in R. Advanced features include: full-color plotting, user-specified fully-labeled axes, plots of derivatives and integrals of functions, the ability to view multiple functions on the same plot window, and much more.

References

- [1] Erich Neuwirth, with contributions by Richard Heiberger, Christian Ritter, Jan Karel Pieterse, , and Jurgen Volkering, *Rexcelinstaller: Integration of r and excel, (use r in excel, read/write xls files)*, 2009, R package version 3.0-18.