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Mathematica Reference Number: 40170.104 Submitted To: Office On Child Abuse And Neglect Children's Bureau, ACYF, ACF, HHS 8th Fl. No. 8111, 1250 Maryland Ave., SW Washington, DC 20024 Project Officer: Dori Sneddon Submitted By: Jan 1th, 2024

Calculus With Mathematica - NASA - GSFC

1. Abstract The Calculus With Mathematica Project Is Devoted To Improving Conceptual Understanding Of The Calculus By Making Use Of The Mathematica Technical Computing Software To Solve More Challenging Kinds Of Applications Than Are Traditionally Examined In Undergraduate Calculus. This MUSPIN-funded Pilot Project Has Been Implemented At South Carolina State University For Two Feb 1th, 2024.

Computing Fourier Series With Mathematica

(Technical Mathematica Programming Note: The Inner Product Can't Be Evaluated Yet, Because The Arguments F And G Are Dummy Arguments, Not Yet Defined. The "[:=" Used In The Definition Of FourierIP Tells Mathematica To Define FourierIP But To Defer Evaluation Until The

Function FourierIP Is Actually Used.) `FourierIP@f_,g_D:=Integrate@fg,8x,-Pi,Pi`