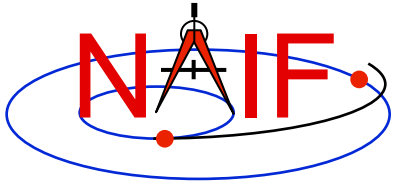


Navigation and Ancillary Information Facility

Welcome
to the
SPICE Beginner's Training

April 2016



Class Objectives

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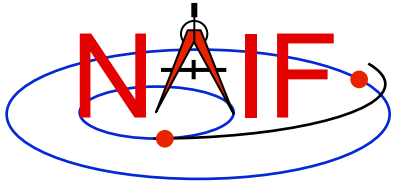
- **Get you started using SPICE**
 - Overview of SPICE
 - How SPICE is used
 - SPICE components
 - Examples of using SPICE software and data
 - SPICE conventions
 - Programming exercises
 - Common problems
 - Describe NAIF/SPICE resources
- **Get some feedback useful to NAIF**



Class Scope

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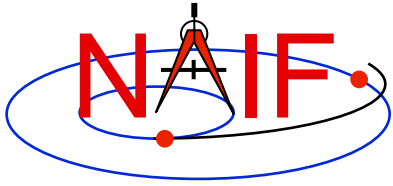
- **The tutorials we'll present in this class cover just the information needed to begin using SPICE data and software**
 - The on-line tutorials provide more detail
 - » **You should plan on downloading and referring to these!**
<http://naif.jpl.nasa.gov/naif/tutorials.html>
 - Some topics are addressed rather little, or not at all
 - » Kernel production
 - » Archiving SPICE data
- **The class includes several “open book” programming lessons done by you**
 - This is the fun part!
 - These lessons include all needed data, tips, and NAIF's own answers



SPICE Seems “Large”

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- **The generic SPICE Toolkit contains:**
 - over 1000 public APIs (“modules” or “subroutines”)
 - about 14 utility and application executables
 - about 23 subsystem technical reference documents
 - and more
- **Don’t let this size bother you... just work your way into it bit by bit**
- **Most customers use only a handful of these APIs**
- **Hundreds of others just like you are using SPICE today**



The NAIF Team at JPL

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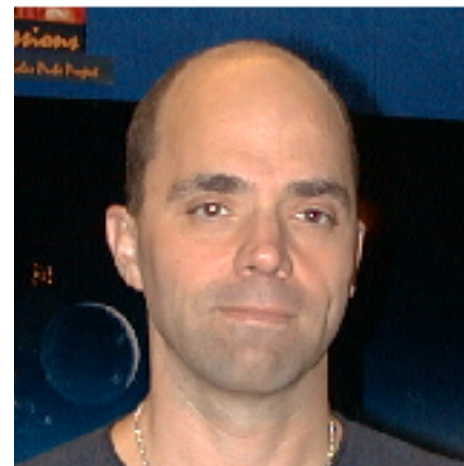
Chuck Acton



Nat Bachman



Boris Semenov



Ed Wright