

# CritView – Version 1.04 – Public Release

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# Purpose of Presentation

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**This presentation is intended to provide the audience with the current status of CritView and information on how to obtain a copy of the software.**



# CritView Overview

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- **Designed to be an “electronic handbook”**
- **Provides a versatile interface for ARH-600 and other criticality safety handbook data**
  - Allows the user to customize the curve plots to fit their needs
- **Makes multiple handbooks and data sets available in one place**
- **Provides updated and well documented data (i.e., reproduce ARH-600 with MCNP)**

# CritView History

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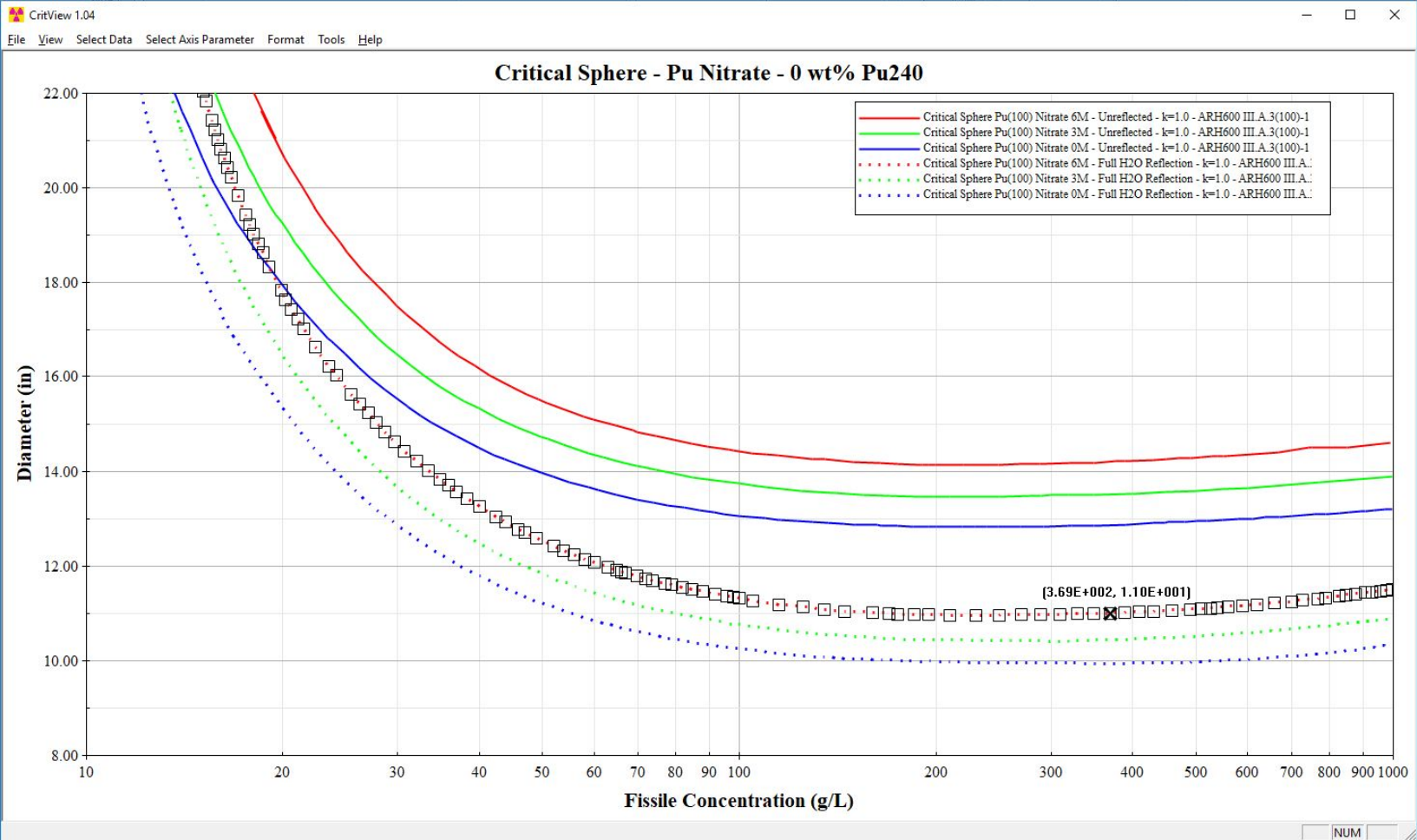
- **Proposed by Hans Toffer at Hanford to DOE Nuclear Criticality Safety Program (NCSP)**
- **Funded by NCSP starting ~2004**
- **Developed by David Erickson and Scott Finfrock**
- **Public release of CritView 1.02 in 2009**

# Overview of CritView Revision 1.04

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- **Decreased file read times**
- **Supports larger database**
- **Supports curves using additional/non-standard parameters**
- **Improved user interface – more intuitive**
- **Corrected minor bugs in code and database**

# Example Screenshot from CritView v1.04



# Future Work

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- **Add all LA-10860 graphs to CritView Database**
  - Most were not compatible with previous version of CritView
- **Reproduce major ARH-600 graphs with SCALE**
- **Reproduce major ARH-600 graphs with MCNP6 and ENDF/B-VIII cross-sections**

# Current Status

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- Available for download from NCSP web page at <http://ncsp.llnl.gov>

## Analytic Methods tab

### CritView (on left sidebar)

### Click on Download CritView

- For more information, contact Scott Finfrock or David Erickson