



Calhoun: The NPS Institutional Archive
DSpace Repository

Faculty and Researchers

Faculty and Researchers' Publications

2012-10-19

Catastrophe7 [software]

Lewis, Ted

<http://hdl.handle.net/10945/50656>

This publication is a work of the U.S. Government as defined in Title 17, United States Code, Section 101. Copyright protection is not available for this work in the United States.

Downloaded from NPS Archive: Calhoun



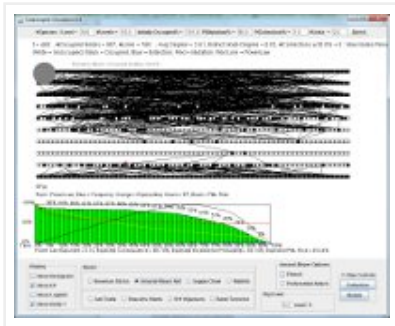
Calhoun is the Naval Postgraduate School's public access digital repository for research materials and institutional publications created by the NPS community. Calhoun is named for Professor of Mathematics Guy K. Calhoun, NPS's first appointed -- and published -- scholarly author.

Dudley Knox Library / Naval Postgraduate School
411 Dyer Road / 1 University Circle
Monterey, California USA 93943

<http://www.nps.edu/library>

CHDS/Ed Learning Materials from the NPS Center for Homeland Defense and Security

Catastrophe7



Simulation/software — .
Ted Lewis.

Three simulations: Sticks,
Amaral-Meyer, and Random
Catastrophes. Sticks illustrates
how systems fail due to outside

incidents. Amaral-Meyer illustrates intrinsic failure (internal faults), and Random Catastrophes illustrates how any layered system fails due to random or normal accidents. Concepts: self-organized criticality, power laws, and exceedence probability.

Download: <https://www.chds.us/?media/openmedia&id=2260>



Views: 187



Ted Lewis

October 19, 2012

**Simulations, Software
and Tools**

**Critical infrastructure
protection**

Previous post

Next post

Leave a Reply

Your email address will not be published.

Name

Email


Website

Post Comment



NAVAL
POSTGRADUATE
SCHOOL

**ITEMS OF INTEREST
IN HOMELAND
SECURITY**

Search form 



FEMA

- » About | Contribute | Contact Us
- » Subscribe
- » Copyright/Accessibility /Section 508

- » Center for Homeland Defense and Security
- » Naval Postgraduate School
- » US Department of Homeland Security, National Preparedness Directorate FEMA

- » The Sacralization of Martyric Death in Romanian Legionary Movement: Self-sacrificial Patriotism, Vicarious Atonement, and Thanatic Nationalism
- » Election-Day Humor
- » Georgetown University Center for Security Studies: The Security Studies Podcasts
- » My Lesson from “The Long War”
- » As campaign closes,

the Obamas pass the torch to Clinton

- » The Latest: LA airport gunman sentenced to life in prison
- » FAA Rules On Commercial Drone Use
- » Decision Day in the U.S.: Daunting Security Challenges Ahead
- » “Contingent Election” of the President, & More from CRS
- » Ohio man allegedly communicated with an Islamic State ‘external attack planner’