

Resource Summary Report

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Eutectic NTS

RRID:SCR_008062

Type: Tool

Proper Citation

Eutectic NTS (RRID:SCR_008062)

Resource Information

URL: <http://bellsouthpwp.net/c/a/capowski/NTSPublic.html>

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Description: THIS RESOURCE IS NO LONGER IN SERVICE, documented August 23, 2016. A hardware and software package with which a scientist could trace the structure of neurons and other neuroscientific features directly from tissue sections or from a stack of their images into a computer. Then it also could edit, merge, filter, display in 3D, and make realistic plots of the structures. The NTS also includes a substantial statistical package that provided many, now standardized, mathematical and statistical summaries that described each neuron and compared one population to another. Additionally, NTS also provided an embryonic electrotonic modeler that simulates and displays the electrical functioning of a cell. The NTS uses a special purpose graphics display processor called the VDP3 whose output is presented on a very high resolution CRT. During tracing, the VDP3 presents a variable-diameter cursor and other information directly in the microscope and enables tracing at a high spatial resolution and with measurement of process diameters limited only by the microscope's optics. Control of tracing is done with a 3D joystick that allows easy control of five input variables: X,Y,Z position, cursor diameter, and a numeric tag. Finally, superb 3D interactive displays of completed cells are provided on the VDP3.

Abbreviations: Eutectic NTS

Synonyms: The Eutectic Neuron Tracing System

Resource Type: resource, software resource

Keywords: embryonic electronic modeler, cell, hardware, microscope, neuron, optics, software, neuronal tree structure, dendritic tree, segmentation, instrument, equipment

Funding: NIDA contract HHSN271200577531C

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: Eutectic NTS

Resource ID: SCR_008062

Alternate IDs: nif-0000-10453

Record Creation Time: 20220129T080245+0000

Record Last Update: 20260919T195134+0000

Ratings and Alerts

No rating or validation information has been found for Eutectic NTS.

No alerts have been found for Eutectic NTS.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.