

# Chapter 12: Miscellaneous Menu



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## A. Miscellaneous Main Menu

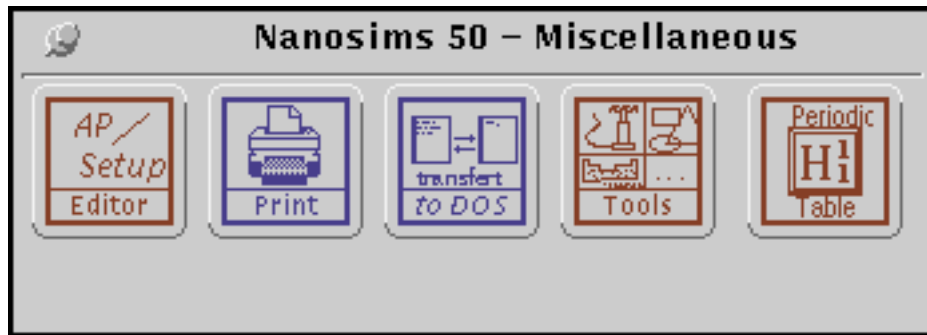







Figure 12-1: View of Miscellaneous Menu

<i>Menu Details: Miscellaneous Main Menu</i>	
	???
	???
	???
	<b>Tools.</b> Simple parameter files for hardware
	<b>Periodic Table.</b> Shows periodic table with information about isotopes, abundance, physical parameters, etc.

# B. Tools

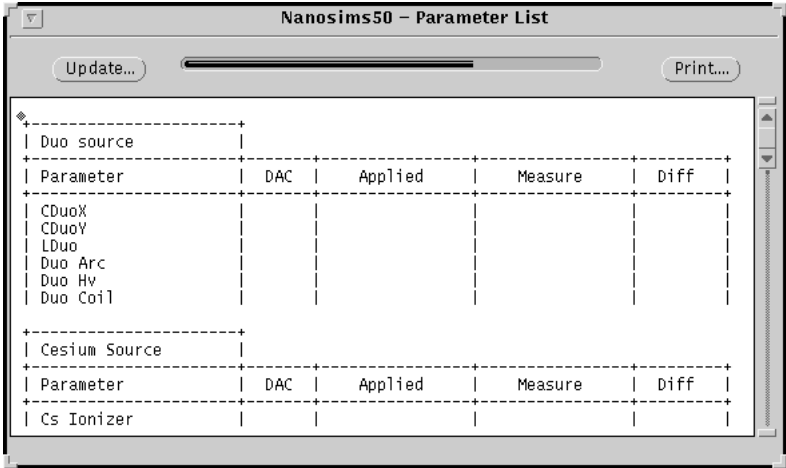


Figure 12-2: View of Miscellaneous Tools Menu

<b>Menu Details: Miscellaneous - Tools</b>	
<b>Update</b>	Reads all parameters in machine. Gives applied voltage, measured voltage, and the difference.

## C. Periodic Table



Select element of interest by clicking on tile.

Submenus

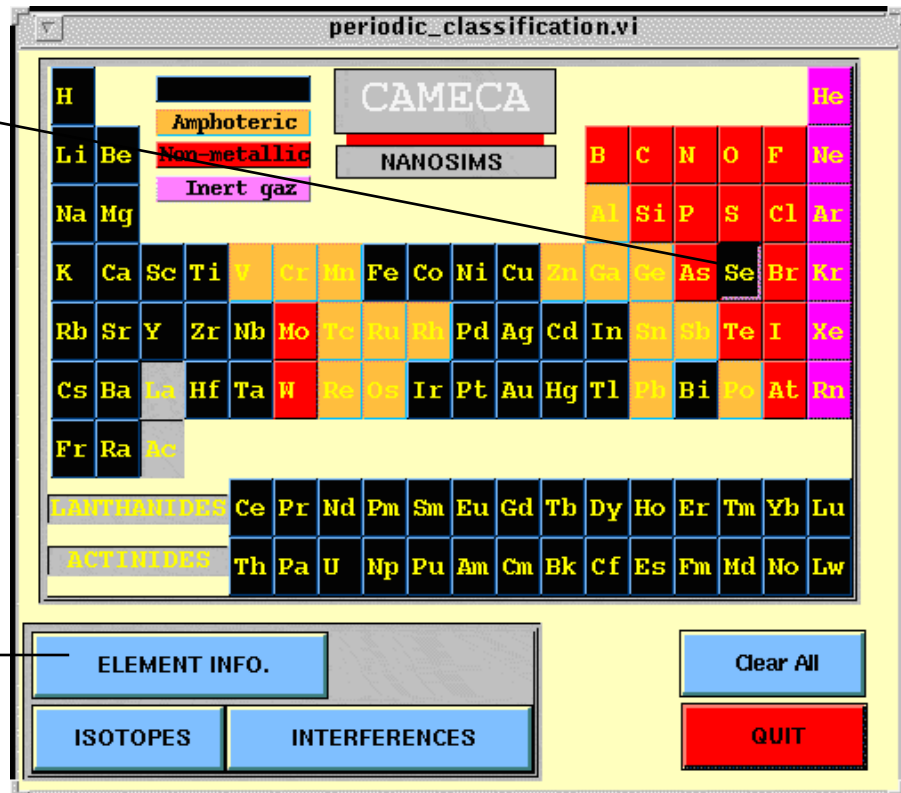





Figure 12-3: View of Periodic Table under Miscellaneous Features.

<b>Menu Details: Miscellaneous - Periodic Table</b>	
	<p><b>Element info.</b> Displays a list of isotopes of an element as well as physiochemical parameters.</p>
	<p><b>Isotopes.</b> Bargraph-type spectrum of isotopes of the selected element.</p>
	<p><b>Interferences.</b> <i>Not yet implemented.</i></p>

## Periodic Table Submenu: Element Info

ELEMENT INFO.

display\_element\_info.vi

Symbol                      Name                      Atomic number    Isotope number

Se                      Selenium                      34                      6

POLARITY HINT    n

MASSSES	ABUNDANCES %
73.9224771	0.88
75.9192066	9.0
76.9199077	7.6
77.9173040	23.6
79.9165205	49.7
81.916709	9.2

Density (atoms/cm<sup>3</sup>)\*1e22    3.67

Work function (eV)    5.90

Ionization energy (eV)    9.75

Electron negativity    2.55

QUIT

Figure 12-4: Element Submenu within Periodic Table Feature.

***Menu Details: Miscellaneous - Periodic Table - Element Info***

## Periodic Table Submenu: Interference

INTERFERENCES

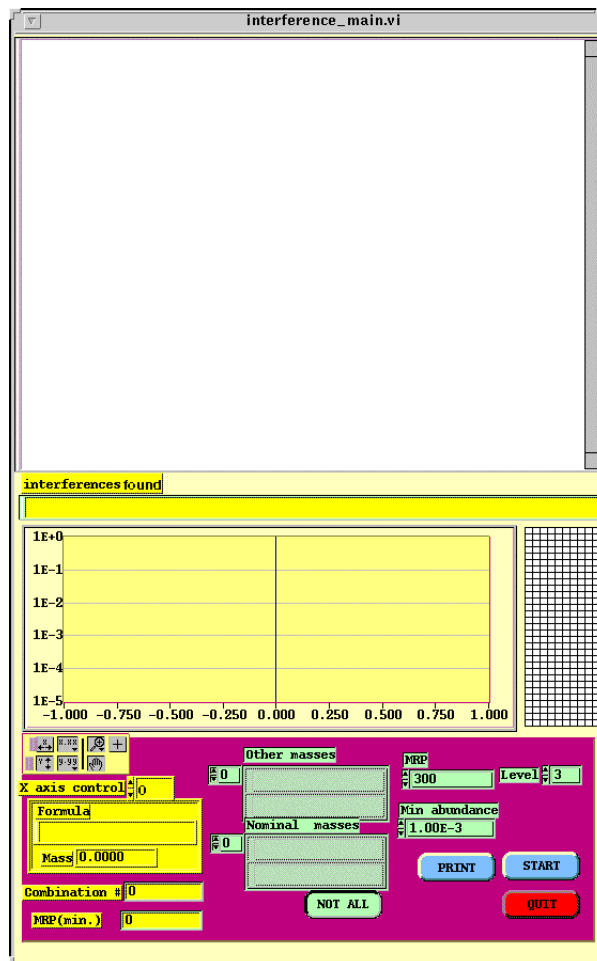


Figure 12-5: View of Interference Submenu Within Periodic Table Menu.

***Menu Details: Miscellaneous - Periodic Table - Interference***

*Not yet implemented*