

PHYSIUM : USER MANUAL

A. Description of the Physium Application

The Physium Application provides you with the following capacities :


- The application can be used to display Periodic Table of element
- Table shows element number, atomic weight, etc
- Element can be searched for based on the name, the atomic symbol or the atomic number
- Numeric data about information can be stored in variable to be used in the Main Application

B. Starting up Physium Application

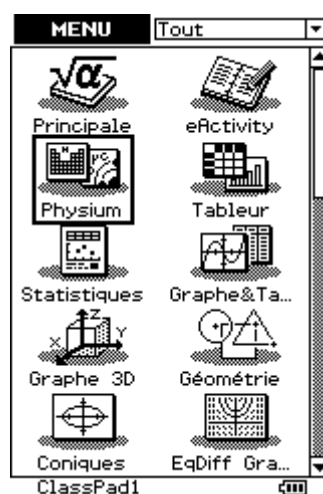
Use the following procedure to start up the Spreadsheet application.

ClassPad Operation

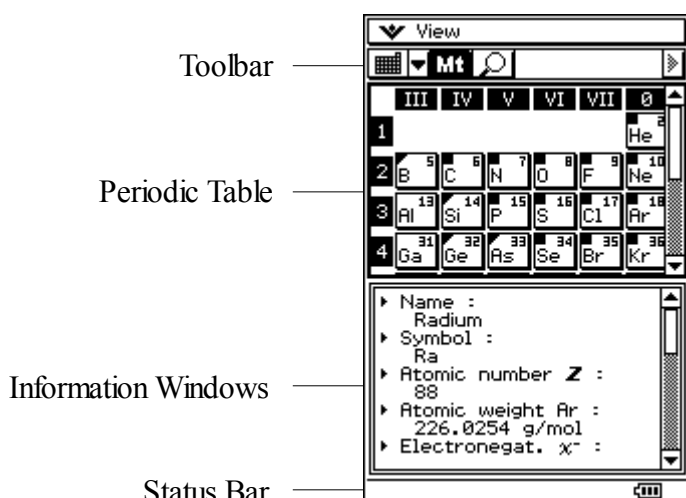
(1) On the application menu, tap the down arrow in the upper right corner and then select [Additional] or [All] from the dropdown list.

(2) On the application menu, tap on 

- This starts the Physium Application and displays its window.



C. Physium Application Window



D. Menu and Buttons of the Physium Application

Menu and Buttons of the Periodic Table application

- **View Menu**

To do this	Tap on this [View] menu Item
Display the complete Mini-Table	Mini - Table
To do this	Tap on this [View>Page] menu Item
Display the left Periodic Table Part (1a to 4b)	1a - 4b
Display the middle Periodic Table Part (5b to 8b)	5b - 8b
Display the right Periodic Table Part (IIIa to 0a)	IIIa - 0a

- **ToolBar Buttons**



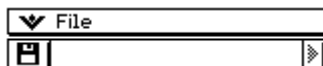
To do this	Tap on this button
Display the left Periodic Table Part (1a to 4b)	
Display the middle Periodic Table Part (5b to 8b)	
Display the right Periodic Table Part (IIIa to 0a)	
Display the complete Mini-Table	
Enable/Disable the Group Display	
Search for an element	

Menu and Buttons of the Information windows application

- **File menu**

To do this	Tap on this [File] menu Item
Store numeric information in a variable	Save

- **ToolBar Buttons**



To do this	Tap on this buttons
Store numeric information in a variable	

E. Operations in the Periodic Table Window

1. Basic operations

To get this result	Do this
View information about an element	Type on the element button
View the name of an element (in the Status Bar)	Stay with the pen on the element button

2. View the Lanthanides/Actinides Windows

To view this windows, simply type on  or 

LANTHANIDES						
1						
2						
3						

ACTINIDES						
1						
2						
3						

3. Search for an element

You have three options to search for an element :

- Search by name, by typing the element name of simply clicking on an element name in the list
- Search by symbol, by typing the atomic symbol of simply clicking on an symbol in the list
- Search by number, by typing the atomic number in the windows

Search for an element

Information to use :

☐ Search by name

Name :

☐ Search by symbol

Symbol :

☐ Search by number

Number :

4. Display the Metal Groups

After typing the Metal button, you'll see a symbol on the upper-left corner of the element :

METAL ELEMENT	METALLOID ELEMENT	NON-METAL ELEMENT

F. Operation in the Information Window

1. Information available :

- Element Name
- Atomic Symbol
- Atomic Number
- Atomic Weight
- Electro-negativity
- Group
- Oxidation State
- Electronic Structure
- Density
- Melting Point
- Boiling Point
- Atomic Radius
- Atomic Volume
- Covalent Radius

2. Storing an information in a variable

- After tapping on the Save button, you'll see a window with a list.
 - Select the data you want to save in the list and press [OK]
-
- You'll see an explorer windows.
 - Select the folder and type the name of the variable you want

