Installation of the qm`Dirac` *Mathematica* Add-On

by José Luis Gómez-Muñoz

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Files must be located in the proper file location in order to be able to load the Quantum packages with the Needs command. Here we show the procedure in a Windows computer, and it is the same procedure in any other operative system

Example: Microsoft Windows Instalation

All the files will be located inside the directory specified by the output of *Mathematica*'s command **Directory[**]. In the computer were this document was generated, this is the output of **Directory[**] (when you write **Directory[**] and press the at the same time the keys **SHET-ENTER** in your *Mathematica*, you will get an output in your computer, which will be different from the one shown in this example):

Sin título-1 * - Wolfram Mathematica 11.0							-		×		
Archivo Edi	ción Insertar	Formato	Celda	Gráficos	Evaluación	Paletas	Ventana	Ayuda			
<pre>In[7]:= Directory[]</pre>											
Out[7]=	D:\Do	cument	tos								C.
(+)	-									_	

In the following image you can see the Windows Explorer opened in the **Directory[]** of my computer. Copy the **qm.zip** file inside the **Directory[]** of your computer, remember it will be different from the example in the image:



Extract the **qm.zip** file in this directory. It can be done with a right-click and selecting "Extract every-thing..."



A qm file has been created, with the add-on files inside:



If the directory (folder) structure is the correct one, then you will obtain the "welcome" message after writting

Needs["qm`Dirac`"]

and pressing at the same time the keys SHET-ENTER to evaluate:

@	Sin título-1 * - Wolfram Mathematica 1	1.0 — 🗆 ×					
Archivo Ed	lición Insertar Formato Celda Gráficos Evaluación Paletas	Ventana Ayuda					
In[7]:=	Directory[]	Quantum Mechanics					
Out[7]=	D:\Documentos	Typesetting Algebra Testing					
		qm[expression]					
In[9]:=	Needs["qm`Dirac`"]						
	The qm add-on qm`Dirac` version BETA Ma						
	has been loaded today Mon 10 Apr 2017	(a) a ⁰ a [†] a ₀ a ⁰ ₀ a [*]					
	Mathematica 11.0.0 for Microsoft Windows (64-bit) (July 28, 2016)	[■, □]_ [■, □] ₊ [■, □] _□					
	Symbols that have been	∑₀=₀ ■ ∫₀° ■ do ∏₀=₀ ■					
	modified by loading the qm add-ons:	NSum[∎, {□, □, □}]					
	Angiebracket MakeBoxes OverHat SuperDagger SuperscriptBox SuperStar	Nintegrate[∎, {□, □, □}]					
	New keyhoand aliases for this Mathemat						

Installation on other operative systems

Mathematica has been designed to work the same way in different platforms (Mac, Windows, Unix, etc). Therefore, the installation procedure in any operative system should be almost the same: Extract the files in a **qm** directory, inside the directory specified by the result of evaluating **Directory[]** in your computer.

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\$Version

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11.0.0 for Microsoft Windows (64-bit) (July 28, 2016)
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DateString[]

Wed 12 Apr 2017 11:11:39