The \texttt{physics2} package

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Abstract

This is the document for \texttt{physics2} package, which defines commands for typesetting math formulae faster and more simply. \texttt{physics2} is a modularized package, each module provides its own function.

This document describes the \texttt{physics2} package in more detail. But if you are a user of the legacy \texttt{physics} package, you can click here to see the documentation for \texttt{physics} users before you start. If you never used \texttt{physics} package before, just read this documentation.

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*https://www.github.com/AlphaZTX/physics2
1 Introduction

1.1 The purpose of this package

This package aims to provide a bundle of commands for typesetting math faster in different modules. The commands provided by physics2 and its different modules are designed to be short and easy to memorize.

1.2 Packages required

The physics2 package itself only requires the keyval package, which is part of the latex-graphics bundle. Almost every \LaTeX distribution will include this bundle.

Different modules of physics2 might require different packages. It will be explained in the following sections that which module requires which package.

The physics2 package requires \LaTeX 2e kernel released after 2020/10. Please make sure that your \LaTeX distribution is not too old.

1.3 Loading physics2 and its modules

Just like loading any package, write

\usepackage{physics2}

in the preamble to load the physics2 package. In the current version, physics2 doesn’t provide a package option.

physics2 itself doesn’t provide many features. You need to load different modules of physics2 to have different features applied to your document.

1.4 Loading a module of physics2

You can load a module of physics2 only after you write \usepackage{physics2} in the preamble. Load a physics2 module like this:
\usephysicsmodule{(module)}

The usage of \usephysicsmodule is similar to \usepackage, so you can load several modules in one line. For example,
\usephysicsmodule{ab,ab.braket}

This line loads the \texttt{ab} and \texttt{ab.braket} modules.

You can also load one module with options. The options of a \texttt{physics2} module can be a comma-separated key-value list. For example,
\usephysicsmodule[tightbraces=true]{ab}
\usephysicsmodule{ab.braket,doubleprod}

These two lines load the \texttt{ab} module with option \texttt{tightbraces = true} and load \texttt{ab.braket} and \texttt{doubleprod} modules.

The following sections introduce all the user-level modules of \texttt{physics2}. View back to the table of contents to see the names of user-level modules.

2 Modules of \texttt{physics2}

2.1 Features of the bare \texttt{physics2} package

The following commands are available once you load \texttt{physics2} in preamble.
\texttt{\delopen} and \texttt{\delclose}, followed by a math delimiter. They can be regarded as abbreviations of “open delimiter” and “close delimiter”. If you had heard of the \texttt{mleftright} package. You can regard \texttt{\delopen} and \texttt{\delclose} as a simpler version of \texttt{\mleft} and \texttt{\mright}. For example,

\begin{align*}
\[ 0 \left(\frac12\right) 3 \] \\
[ 0 \delopen(\frac12\delclose) 3 ] \\
\biggg\text{and}\Biggg,\text{followed by a math delimiter.} \text{They are even bigger than }\Bigg. \text{\texttt{biggg} and \texttt{Biggg} may be useful when you need to write something really tall in math mode, but most OpenType math font do not support }\langle\text{or U+27E8} \text{and }\rangle\text{or U+27E9} \text{in this large size. Take an example,}
\]

\begin{align*}
[2.1.1] &\left[ 0 \left(\frac12\right) 3 \right] \\
&\left[ 0 \delopen(\frac12\delclose) 3 \right] \\
&0\left(\frac12\right)^3 \\
&0(\frac12)^3 \\
\]

\begin{align*}
[2.1.2] &\Bigg(\text{biggg}\Bigg(\text{biggg}\Big(\text{big}((\bigg)\bigg)\Bigg)\text{biggg}\Bigg)\text{biggg}\Bigg)\text{biggg}\Bigg)\text{biggg}\Bigg]\text{Biggg}\Bigg)\text{biggg}\Bigg)\text{biggg}\Bigg)\text{biggg}\Bigg)\text{biggg}\Bigg)\text{biggg}\Bigg)\text{biggg}\Bigg)\text{biggg}\Bigg)\text{biggg}\Bigg)\text{biggg}\Bigg)\text{biggg}\Bigg)\text{biggg}\Bigg)\text{biggg}\Bigg)\text{biggg}\Bigg)\text{biggg}\Bigg)\text{biggg}\Bigg)\text{biggg}\Bigg)\text{biggg}\Bigg)\text{biggg}\Bigg)\text{biggg}\Bigg)\text{biggg}\Bigg)\text{biggg}\Bigg)\text{biggg}\Bigg)
\]

\end{align*}

\}
\bigggl, \bigggm, \biggr, \Bigggl, \Bigggm and \Biggr are also supported.

Note: If you had heard version 0.x.y of physics2, you might know the common module. Now the common module is included in physics2.sty — the source file of common module is deleted but all the features of common are reserved. Those commands above used to be provided by common module, but now they are provided by physics2.

2.2 The ab module — automatic braces

This module provides the command \ab. The \ab command, as a shorthand of "automatic braces", would specify the size of the following pair of delimiters. The delimiters after \ab should not be out of the range described by the following chart:

\begin{itemize}
\item \{, \}
\item [, ]
\item \{, \} or \lbrace, \rbrace
\item <, > or \langle, \rangle
\item |, | or \|, \|
\item \|, \|
\end{itemize}

For example, it’s illegal to write an "\ab(” without a “)”; it’s also illegal to write \ab=foo=. Take some correct examples:

\begin{verbatim}
\[
\ab\left\{\frac12\right\} \quad \ab\left[\frac12\right] \quad \ab\{\frac12\}
\end{verbatim}

\begin{figure}
\centering
\begin{array}{ccc}
\left(\frac12\right) & \left[\frac12\right] & \left\{\frac12\right\}
\end{array}
\end{figure}

You can also write a command from \big to \Biggg between \ab and the first delimiter, which means to specify the size of delimiters manually. Also, you can write a star (*) between \ab and the first delimiter, to prevent \ab from setting the size of delimiters. For example,

\begin{verbatim}
\[
\ab\langle\frac12\rangle \quad \ab\bigg|\frac12| \quad \ab\bigg\|\frac12\|
\end{verbatim}

\begin{figure}
\centering
\begin{array}{ccc}
\langle\frac12\rangle & 1\frac12 & 1\frac12
\end{array}
\end{figure}

Always remember, do not put an \ab separately at the end of math mode like $\ab$, because \ab will try to absorb the following math shift character ($) as its argument.

Important Note: The ab module uses “document commands” module of \TeX kernel (source file: ltcmd.dtx). This \TeX kernel module provides a
document-level command parser. \ab is a complex encapsulation of some internal document-level commands. Take an example, if you define a document-level command like this:

\NewDocumentCommand \foo { r() } {::#1::}

You can write \foo(bar) legally, but \foo() will be regarded illegal when you write another document-level command or end the paragraph. Similarly, things like \ab() will also cause errors.

The \ab module also provides \Xab commands, where \X can be p, b, B, a, v and V. These commands take a normal argument but not an argument delimited with paired delimiters. For example,

\[\begin{array}{c}
\text{\def\0{\frac12} }\\
\text{\pab{\0} \bab{\0} \Bab{\0}} \\
\text{\aab{\0} \vab{\0} \Vab{\0}} \\
\end{array}\]

These \Xab commands can take an optional star and an optional [biggg] argument. Star stands for using the default sizes. For example,

\[\begin{array}{c}
\text{\def\0{n+\frac12} }\\
\text{\pab[Big]{\0} \bab*{\0}} \\
\end{array}\]

The options of \ab module `tightbraces`, a bool type key, whose default value is true, influences whether thin skips are reserved around the paired delimiters. It only works with the automatically sized delimiters.

2.3 The \ab.braket module — Dirac bra-ket notation

This module provides four commands — \bra, \ket, \braket and \ketbra. After these commands can be a star (*) or a "biggg" command. These commands share similar syntaxes like \ab's syntax. But, the bra-ket commands from ab.braket module are completely different from \ab. Their internal structures are different.

The argument of \bra should be delimited with < and |, that is,

\bra <\text{(subformula)} |

For example,
The argument of \ket should be delimited with | and >, that is,
\[ \ket < \text{(subformula)} > \]

For example,
\[ \ket | \frac \psi 2 > \]
\[ \ket*| \frac \psi 2 > \]
\[ \ket\Big| \psi > \]

\[ \bra < \phi \]
\[ \bra*< \frac \phi 2 \]
\[ \bra\Big< \phi | \psi > \]

If you want to write “>” and “<” for relations in the argument of \bra and \ket, you can write \mathrel{>} and \mathrel{<} (although there is almost no such need).

The argument of \braket should be delimited with < and >, that is,
\[ \braket < \text{(subformula)} > \]

In the \text{(subformula)} argument, every “|” will be regarded as an extensible vertical bar. For example,
The argument of \texttt{\ketbra} should be delimited with \texttt{|} and \texttt{\ketbra}. In the argument, > and < will be regarded as extensible \rangle and \langle. That is,

\texttt{\ketbra | \langle subformula_1 \rangle > \langle optional \rangle < \langle subformula_2 \rangle |}

For example,

\begin{verbatim}
\def\0{\frac{\phi}{2}}
\[ \ketbra | \0 > \psi | \]
\[ \ketbra* | \0 > \psi | \]
\[ \ketbra \bigg| \0 > \psi | \]
\end{verbatim}

\[ |\phi^2\rangle\langle\psi| \]

\[ |\frac{\phi}{2}\rangle\langle\psi| \]

\[ |\frac{\phi}{2}\rangle\langle\psi| \]

\[ |\phi^y\rangle\langle\psi| \]

If you want to write “>” and “<” for relations in the argument of \texttt{\braket} and \texttt{\ketbra}, you can write \texttt{\>} and \texttt{\<} (although there is almost no such need). It is quite different from \texttt{\mathrel{\>}} or \texttt{\mathrel{\<}} because in these commands’ argument, > and < will be redefined.

\begin{itemize}
  \item \textbf{Important Notes}: Commands provided by \texttt{ab.braket} should NOT be placed barely in \langle subformula \rangle of \texttt{\ab|} (subformula). Errors will arise if you write such code. To avoid the errors, you can write like this:
  \[ \ab| \{ \braket<\psi|\hat H|\psi> \} | \]
  Just add the braces.
\end{itemize}

Next, the \texttt{braket} module will be introduced. Please notice that \texttt{braket} is conflict with \texttt{ab.braket}, they cannot be used together.

### 2.4 The \texttt{braket} module — Dirac bra-ket notation

Please notice that this module is conflict with the \texttt{ab.braket} module. Don’t use them together.

This module contains four commands — \texttt{\bra}, \texttt{\ket}, \texttt{\braket} and \texttt{\ketbra}. After these commands can be a star (*) or a square-bracket-delimited size option, the size option can take the following values:
big, Big, bigg, Bigg, biggg or Biggg.

Star stands for “do not size the bra-ket automatically”.

The argument(s) of these four commands are braced with { and }. \bra and \ket take one mandatory argument. For example,

\begin{verbatim}
\def\0{\frac\phi2}
\[ \bra \{\0\} \quad \bra* \{\0\} \quad \bra[Big] \{\0\} \]
\[ \ket \{\0\} \quad \ket* \{\0\} \quad \ket[Big] \{\0\} \]
\end{verbatim}

The \braket command, in default, can take two arguments.

\begin{verbatim}
\def\0{\frac\phi2}
\[ \braket \{\0\} \psi \quad \braket* \{\0\} \psi \quad \braket[big] \{\0\} \psi \]
\end{verbatim}

If you want \braket to take one or three arguments, you can write the number of arguments in the square bracket. If you need to specify the size of bra-ket simultaneously, you need to separate the number and the size with a comma:

\begin{verbatim}
\def\0{\frac\phi2}
\[ \braket[1] \{\0\} \psi \quad \braket*[1] \{\0\} \psi \]
\[ \braket[3,big] \{\0\} \psi \quad \braket[Big,3] \{\0\} \psi \]
\end{verbatim}

The \ketbra command takes two mandatory arguments. It can also take an optional argument between the two mandatory arguments. The optional argument will be placed between \rangle and \langle:

\begin{verbatim}
\def\0{\frac\phi2}
\[ \ketbra \{\0\} \psi \quad \ketbra* \{\0\} \psi \quad \ketbra[Bigg] \{\0\} \psi \]
\[ \ketbra[\underline{x^y}] \{\0\} \psi \]
\end{verbatim}
2.5 The \texttt{diagmat} module — simple diagonal matrices

This module provides \texttt{\textbackslash diagmat} command:

\begin{verbatim}
\texttt{diagmat[empty=⟨empty entry⟩]}{⟨diag⟩}
\end{verbatim}

where \texttt{(diag)} is the diagonal of the diagonal matrix. The entries should be separated by commas. The \texttt{empty} option is optional, with default value \texttt{0}. For example,

\begin{verbatim}
\texttt{\textbackslash diagmat} { 1, \sqrt{2}, \sqrt[3]{4} }
\end{verbatim}

\[
\begin{pmatrix}
1 & 0 & 0 \\
0 & \sqrt{2} & 0 \\
0 & 0 & \sqrt[3]{4}
\end{pmatrix}
\]

\pdiagmat, \bdia, \Bdiagmat, \vdia and \Vdiagmat are also available. Prefixes like \texttt{p}, \texttt{b}, \texttt{B} have the same meaning as the \texttt{p}, \texttt{b}, \texttt{B} in \texttt{amsmath}'s \texttt{pmatrix}, \texttt{bmatrix} and \texttt{Bmatrix}. For example,

\begin{verbatim}
\texttt{\textbackslash pdiagmat[empty=⟨empty⟩]}{⟨a,b,c,d⟩}
\end{verbatim}

\[
\begin{pmatrix}
a \\
b \\
c \\
d
\end{pmatrix}
\]

This module requires \texttt{amsmath}.

The options of \texttt{diagmat} module  You can set the default value of \texttt{\textbackslash diagmat}’s empty entries in the module option like this:

\begin{verbatim}
\texttt{\usephysicsmodule[empty=⟨cdot⟩]}{\textbackslash diagmat}
\end{verbatim}

2.6 The \texttt{doubleprod} module — tensors’ double product operator

Take an example of this module:

\begin{verbatim}
A \texttt{\textbackslash doublecross} B \texttt{\textbackslash doubledot} C
\end{verbatim}

\texttt{\textbackslash doublecross} and \texttt{\textbackslash doubledot} are regarded as binary operators by \texttt{\LaTeX}.

The options of \texttt{doubleprod} module  You can control the scale of “\texttt{×}” and “\texttt{·}” in \texttt{\textbackslash doublecross} and \texttt{\textbackslash doubledot} in module option. For example,

\begin{verbatim}
\usephysicsmodule[crossscale=0.75,dotscale=1.2]{\textbackslash doubleprod}
\end{verbatim}
The default values of \crossscale and \dotscale are 0.8 and 1. You can also control the distances between the two “×”s and “·”s through the \crossopenup and \dotopenup options. For example,

\usephysicsmodule[crossopenup=.05,dotopenup=.25]{doubleprod}

The default values of \crossopenup and \dotopenup are 0.02 and 0.2. The value stands for the multiple of current font size. Moreover, you can change the symbols produced by \doublenode and \doubledot by setting \crosssymbol and \dottsymbol in module option.

2.7 The xmat module — matrices with formatted entries

The xmat module provides \xmat command for matrices with formatted entries:

\xmat\{\langle options\rangle\}{\langle entry\rangle}{\langle rows shown\rangle}{\langle cols shown\rangle}

If \langle rows shown\rangle and \langle cols shown\rangle are digits, the value of them must be less at least 2 than the value of amsmath’s MaxMatrixCols counter. For example,

\[
\begin{bmat}[M]{3}{3}
M_{11} & M_{12} & M_{13} \\
M_{21} & M_{22} & M_{23} \\
M_{31} & M_{32} & M_{33}
\end{bmat}
\]

\pxmat, \bxmat, \Bxmat, \vxmat and \Vxmat are also available. The meaning of p and so on is the same as the p in pmatrix of amsmath. For example,

\[
\begin{pmatrix}
X_{11} & X_{12} & X_{13} & \cdots & X_{1n} \\
X_{21} & X_{22} & X_{23} & \cdots & X_{2n} \\
\vdots & \vdots & \ddots & \vdots \\
X_{m1} & X_{m2} & X_{m3} & \cdots & X_{mn}
\end{pmatrix}
\]

If \langle rows shown\rangle and \langle cols shown\rangle contain non-digit characters, extra dots will be added. For example,

\[
\begin{bpmatrix}
X_{11} & X_{12} & X_{13} & \cdots & X_{1n} \\
X_{21} & X_{22} & X_{23} & \cdots & X_{2n} \\
\vdots & \vdots & \ddots & \vdots \\
X_{m1} & X_{m2} & X_{m3} & \cdots & X_{mn}
\end{bpmatrix}
\]

In this example we used the \showleft and \showtop options. The default value of them is the value of MaxMatrixCols minus 2. You can also set them in the module option like this:
Then every \xmat with non-digital \langle rows shown \rangle and \langle cols shown \rangle will have 2 top-most rows and 3 left-most columns shown. This will also influence "\xmat"s with digital \langle rows shown \rangle and \langle cols shown \rangle when \langle rows shown \rangle and \langle cols shown \rangle are larger than the values corresponding to showtop and showleft. For example,

\begin{verbatim}
% \usephysicsmodule
% \[showtop=3,showleft=3\]{xmat}
\[ \pxmat(A)(8)(8) \]
\end{verbatim}

\[
\begin{pmatrix}
A_{11} & A_{12} & A_{13} & \cdots & A_{18} \\
A_{21} & A_{22} & A_{23} & \cdots & A_{28} \\
A_{31} & A_{32} & A_{33} & \cdots & A_{38} \\
\vdots & \vdots & \vdots & \ddots & \vdots \\
A_{81} & A_{82} & A_{83} & \cdots & A_{88}
\end{pmatrix}
\]

However, when \langle rows shown \rangle and \langle cols shown \rangle are 1 greater than \langle showtop \rangle and \langle showleft \rangle, for example, \langle rows shown \rangle = 4 and \langle cols shown \rangle = 4 in last example’s settings, \xmat will still add the extra dots:

\begin{verbatim}
% \usephysicsmodule
% \[showtop=3,showleft=3\]{xmat}
\[ \pxmat(A)(4)(4) \]
\end{verbatim}

\[
\begin{pmatrix}
A_{11} & A_{12} & A_{13} & \cdots & A_{14} \\
A_{21} & A_{22} & A_{23} & \cdots & A_{24} \\
A_{31} & A_{32} & A_{33} & \cdots & A_{34} \\
\vdots & \vdots & \vdots & \ddots & \vdots \\
A_{41} & A_{42} & A_{43} & \cdots & A_{44}
\end{pmatrix}
\]

In such situations, we need to specify showtop and showleft manually. For example,

\begin{verbatim}
% \usephysicsmodule
% \[showtop=3,showleft=3\]{xmat}
\[ \pxmat[showtop=4,showleft=4](A)(4)(4) \]
\end{verbatim}

\[
\begin{pmatrix}
A_{11} & A_{12} & A_{13} & A_{14} \\
A_{21} & A_{22} & A_{23} & A_{24} \\
A_{31} & A_{32} & A_{33} & A_{34} \\
A_{41} & A_{42} & A_{43} & A_{44}
\end{pmatrix}
\]

The \xmat command provides the format option, which allows users to use a new entry format. For example,

\begin{verbatim}
\[\]
\xmat [showleft=2,showtop=2, format=texttt[#1[#2[#3]])]
{x}(m)(n)
\]
\end{verbatim}

\[
\begin{bmatrix}
\begin{array}{cccc}
\mathbf{x}[1][1] & \mathbf{x}[1][2] & \cdots & \mathbf{x}[1][n] \\
\mathbf{x}[2][1] & \mathbf{x}[2][2] & \cdots & \mathbf{x}[2][n] \\
\ddots & \ddots & \ddots & \ddots \\
\mathbf{x}[m][1] & \mathbf{x}[m][2] & \cdots & \mathbf{x}[m][n]
\end{array}
\end{bmatrix}
\]
In the value of `format` key, #1 stands for the common entry, or the first mandatory `⟨entry⟩` argument of \texttt{xmat}; #2 stands for the row index and #3 stands for the column index.

This module requires \texttt{amsmath}.

**The options of \texttt{xmat} module**  Only `showtop` and `showleft` can be used as module options. `format` should be only used in the optional argument of the \texttt{xmat} command.

3  The “legacy” modules

The legacy modules have similar names like \texttt{⟨module⟩.legacy}. Most of them are designed to provide solutions to maintain documents written with the legacy \texttt{physics} package. It’s not suggested to use them in a new document.

3.1  The \texttt{ab.legacy} module

This module provides the following commands:

\begin{verbatim}
\abs \norm \eval (\peval \beval) \order
\end{verbatim}

They share the same syntax as `⟨cmd⟩*{⟨biggg⟩}{⟨subformula⟩}`. Star and `⟨biggg⟩` are optional. Star stands for “use the default size”. For example,

\begin{verbatim}
[3.1.1]
def\0{1+\frac{1}{2}}\abs{\0} \quad \norm[Big]{\0} \quad \order*{\0} \\quad |1 +\frac{1}{2}| \quad ‖ 1 +\frac{1}{2}‖ \quad \mathcal{O}(1 +\frac{1}{2})
\end{verbatim}

\begin{verbatim}
[3.1.2]
def\0{1+\frac{\frac{1}{2}x}{2}}\eval{\0}_{a}^{b} \quad \peval*{\0}_{a}^{b} \quad \beval[big]{\0}_{a}^{b} \\quad 1 +\frac{1}{2}x|_{a}^{b} \quad (1 +\frac{1}{2}x|_{a}^{b}) \quad \left[ 1 +\frac{1}{2}x|_{a}^{b} \right]
\end{verbatim}

You can set the "order" symbol in this module through the `order` option like this:

\begin{verbatim}
\usephysicsmodule[order=0]{ab.legacy}
\end{verbatim}

For further information of this module, see §2.1 of \texttt{physics2-legacy}.
3.2 The \texttt{bm-um.legacy} module

If you are maintaining a document with plenty of \texttt{"bm"}\textquotesingle{}s or \texttt{"boldsymbol"}\textquotesingle{}s in it but want to use \texttt{unicode-math} package simultaneously, you could take a look at this module.

The \texttt{bm} command from \texttt{bm} package uses \texttt{mathversion} to support its function, but there are few OpenType math fonts who released with a bold version. The \texttt{bm-um.legacy} module provides a \texttt{bm} command too, but this \texttt{bm} can only take one math character or a series of math characters sharing the same category code as its argument. If the argument was Latin letters or Greek letters, \texttt{bm} would switch to the bold italic glyphs corresponding to them (if there exists bold italic glyphs); else \texttt{bm} would switch to the bold upright glyphs. For example,

3.3 The \texttt{nabla.legacy} module

This module provides some commands related to nabla (\(\nabla\)). Notice that this module requires the \texttt{fixdif} package with file date 2023/01/31 at minimum.

This module defines \texttt{\grad} and \texttt{\curl} and redefines \texttt{\div}. For example,

The \texttt{\div} symbol was redefined as \texttt{\divsymbol}.

3.4 The \texttt{op.legacy} module

This module provides a series of commands for log-like operators. They are

\texttt{asin} \hspace{1em} \texttt{acos} \hspace{1em} \texttt{atan} \hspace{1em} \texttt{\acsc} \hspace{1em} \texttt{\asec} \hspace{1em} \texttt{\acot} \hspace{1em} \texttt{\Tr} \hspace{1em} \texttt{\tr} \hspace{1em} \texttt{\rank} \hspace{1em} \texttt{\erf} \hspace{1em} \texttt{\Res} \hspace{1em} \texttt{\res} \hspace{1em} \texttt{\PV} \hspace{1em} \texttt{\pv} \hspace{1em} \texttt{\Re} \hspace{1em} \texttt{\Im}

where \texttt{\Re} and \texttt{\Im} are redefined. The first four lines of commands yield what they look like in math mode. For example,
\[
\asin x \quad \rank A
\]

\pv yields “\(\mathcal{P}\)” as an ordinary symbol and \(\text{p.v.}\) yields “p.v.”. For example,

\[
\PV f(z) \quad \pv f(z)
\]

\Re and \Im are redefined as “Re” and “Im”. \(\Re\) and \(\Im\) are redefined as \(\text{ReSymbol}\) and \(\text{ImSymbol}\), in default.

This module \emph{does not require amsmath}.\[3.4.2\]

The options of \texttt{op.legacy} module \(\text{ReIm}\), a bool key with default value \texttt{true}, determines whether to redefine \(\Re\) and \(\Im\). If you want to reserve the definition of \(\Re\) and \(\Im\), you can write like this:

\begin{verbatim}
\usephysicsmodule[ReIm=false]{op.legacy}
\end{verbatim}

3.5 The \texttt{qtext.legacy} module

This module was written just to offer a method to maintain documents written with the legacy \texttt{physics} package. See §2.4 of \texttt{texdoc physics2-legacy} for more information.