

# Package **accenti**<sup>\*</sup>

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## Abstract

Documentation for the package **accenti**.

## 1 Introduction

This package provides a shorter version of some accents-making commands, particularly suited for italian language.

In particular some commands are redefined, so care should be taken, especially when including this package in an already existent L<sup>A</sup>T<sub>E</sub>X file.

The redefined commands are:

“\a”, “\i”, “\o” and “\u”,

whose job can now be done by the commands

“\oFinnick” (finnick “o” bar), “\DotlessI” (dotless “i”, for accents), “\aAccent” (for accents in tabbing environment) and “\uAccent” (upsidedown “hat” accent).

## 2 Obsolete package

This package is *obsolete*, as it has been superseeded by the standard “inputenc” package: indeed, the declaration

```
\usepackage[latin1]{inputenc}
```

directly allows the use of the characters “à”, “è”, “í”, “ò”, “ù” and “é” in the document, which is extremely useful with an italian keyboard.

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\*This is version 2.3, last revised 2005/04/02; documentation date 2005/04/09

## 3 Required packages

This package requires the “`\xspace`” command provided by the “`xspace`” package.

## 4 Options

This package provides the options “`ExtdChar`” and “`ExtdCharOnly`” which allow the use of the special characters “`à`”, “`è`”, “`ì`”, “`ò`”, “`ù`” and “`é`” as accents-making commands. The second option also inhibits the definitions of “`\a`”, “`\e`”, “`\i`”, “`\o`”, “`\u`”, “`\ee`” and “`\che`” as short forms of the accent-commands (it is particularly useful for non-Italian documents).

## 5 Accents

Unless you specify the “`ExtdCharOnly`” option, the commands “`\a`”, “`\e`”, “`\i`”, “`\o`”, “`\u`” and “`\E`” prints the corresponding letter with a grave accent; the commands “`\ee`” and “`\che`” print the letter “`e`” or the three letters “`che`” with an acute accent (i.e. “`é`” and “`ché`”).

Moreover, if the “`ExtdChar`” or “`ExtdCharOnly`” option was used, the chars “`à`”, “`è`”, “`ì`”, “`ò`”, “`ù`” and “`é`” are equivalent to the commands “`\`a`”, “`\`e`”, “`\`\i`”, “`\`\o`”, “`\`\u`” and “`\`e`”.

## 6 Implementation

```
1 %%
2 \NeedsTeXFormat{LaTeX2e}[1995/12/01]
3 \ProvidesPackage{\FileName}[\filedate\space v\fileversion\space\filedescr]
4 \RequirePackage{xspace}[1996/12/06 v1.05]
5 %%
6 \newif\if@ExtendedAccChar\@ExtendedAccCharfalse
7 \DeclareOption{ExtdChar}{\@ExtendedAccChartrue}
8 %%
9 \newif\if@NotOnlyExtended@\@NotOnlyExtended@true
10 \DeclareOption{ExtdCharOnly}{\@NotOnlyExtended@false}
11 %%
12 \ProcessOptions
13 %%
```

`\i, \o, \u, \ee, \che, \E` The original commands “`\a`”, “`\i`”, “`\o`” and “`\u`” are saved before being redefined. The combined use of an intermediate internal command and of “`\DeclareRobustCommand*`”, allow for all the commands of the package to be robust (even the saved original ones).

```
14 %%  
15 \let\@ORIGINAL=\@  
16 \let\i@ORIGINAL=\i  
17 \let\o@ORIGINAL=\o  
18 \let\u@ORIGINAL=\u  
19 %%  
20 \DeclareRobustCommand*\@Accent{\@ORIGINAL}  
21 \DeclareRobustCommand*\@DotlessI{\i@ORIGINAL}  
22 \DeclareRobustCommand*\@Finnick{\o@ORIGINAL}  
23 \DeclareRobustCommand*\@UAccent{\u@ORIGINAL}
```

The commands “\`a”, “\`e”, “\`i”, “\`o”, “\`u” and “\`E” prints the corresponding letter with a grave accent; the commands “\`ee” and “\`che” print the letter “e” or the three letters “che” with an acute accent (i.e. “e” and “ché”). The definitions are deferred at the “\begin{document}” in order to avoid conflicts with other packages.

**Accents** A trick adapted from the `doc` package (which, perhaps, may be done in a better way) is used (if the “`ExtdChar`” option was selected) to associate the extended-ASCII chars which represents accents with the corresponding accent-making commands.

```

69  \lowercase{%
70   \global\expandafter\let
71     \csname ac\string\\endcsname~%
72   \gdef~{\`e}}%
73 \endgroup
74 \global\catcode`\\"active
75 %% %
76 %% % = \i %
77 %% %%%%
78 %% %%%%
79 \begingroup
80  \catcode`\~\active \lccode`\~\%
81  \lowercase{%
82   \global\expandafter\let
83     \csname ac\string\\endcsname~%
84   \gdef~{\`{}}%
85 \endgroup
86 \global\catcode`\\"active
87 %% %
88 %% %%%%
89 %% % = \o %
90 %% %%%%
91 \begingroup
92  \catcode`\~\active \lccode`\~\%
93  \lowercase{%
94   \global\expandafter\let
95     \csname ac\string\\endcsname~%
96   \gdef~{\`{}}%
97 \endgroup
98 \global\catcode`\\"active
99 %% %
100 %% %%%%
101 %% % = \u %
102 %% %%%%
103 \begingroup
104  \catcode`\~\active \lccode`\~\%
105  \lowercase{%
106   \global\expandafter\let
107     \csname ac\string\\endcsname~%
108   \gdef~{\`{}}%
109 \endgroup
110 \global\catcode`\\"active
111 %% %

```

## Index

Numbers written in italic refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in roman refer to the code lines where the entry is used.

<b>Symbols</b>	68, 74, 80, 86,	\filedate .....	3	
\` .....	33, 34, 72	92, 98, 104, 110	\filedescr .....	3
\- .....	25, 38	\AtBeginDocument 26	\FileName .....	3
\@ExtendedAccCharfalse .....	6	<b>B</b>	\fileversion ...	3
\@ExtendedAccChartrue .....	7	\begingroup ...	<b>G</b>	
\@NotOnlyExtended@false .....	10	... 43, 55,	\gdef ....	48, 60,
\@NotOnlyExtended@true .....	9	67, 79, 91, 103	72, 84, 96, 108	
\^e0 .....	44, 47, 50	<b>C</b>	\global .....	
\^e8 .	56, 59, 62, 71	\catcode .....	46, 50, 58, 62,	
\^e9 .....	68, 74	44, 50, 56, 62,	70, 74, 82, 86,	
\^ec .....	80, 83, 86	68, 74, 80, 86,	94, 98, 106, 110	
\^f2 .....	92, 95, 98	\csname ..	<b>I</b>	
\^f9 .	104, 107, 110	47, 59,	\i .....	77
\` .....	27–32, 48,	71, 83, 95, 107	\i@ORIGINAL ..	16, 21
	60, 84, 96, 108	<b>D</b>	\if@ExtendedAccChar .....	6, 38
\` .....	44, 56,	\DeclareOption 7, 10	\if@NotOnlyExtended@ .....	9, 25
	68, 80, 92, 104	\DeclareRobustCommand .....	20–23	
<b>A</b>	<b>E</b>	\DotlessI 21, 29, 84	<b>L</b>	
\a .....	41	<b>N</b>		
\a,\e,\i,\o,\u,\ee,\che,\E .....	14	\lccode ..	44, 56,	
\a@ORIGINAL ..	15, 20	68, 80, 92, 104	69, 81, 93, 105	
\aAccent .....	20	\endcsname ..	\lowercase 45, 57,	
\Accents .....	<u>37</u>	47, 59,	70, 82, 94, 106	
\active .....		71, 83, 95, 107	\let 15–18, 46, 58,	
		\endgroup 49, 61,	70, 82, 94, 106	
		73, 85, 97, 109	\lowercase 45, 57,	
		\expandafter ..	69, 81, 93, 105	
		... 46, 58,	\newcommand ...	
		70, 82, 94, 106	.... 28, 32–34	
		<b>F</b>	\newif .....	6, 9
		\fi .....	36, 112	

O	R	U
\o ..... 89	\renewcommand ..	\u .....
\o@ORIGINAL .. 17, 22	..... 27, 29–31	\u@ORIGINAL .. 18, 23
\oFinnick .... 22	\RequirePackage . 4	\uAccent .....
	S	
P	\space .....	X
\ProcessOptions 12	\string .. 47, 59,	
\ProvidesPackage 3	71, 83, 95, 107	\xspace .....
		27–34

## Change History

v0.1	General: First release (basic accents-command) .....	v2.1	package “quotes” .....	1
v0.2	General: Added extended-chars handling .....	v2.2	General: Added copyright notice and changed addresses .....	1
v1.0	General: Documentation added .....	v2.3	General: All commands made robust .....	1
v1.1	General: Fixed a bug in the options .....		General: Usage of the double-quote character (") avoided .....	1
v2.0	General: Separated from			