

The **l3cctab** package

Experimental category code tables

The L^AT_EX3 Project*

Released 2018-11-19

1 **l3cctab** documentation

A category code table enables rapid switching of all category codes in one operation. For LuaT_EX, this is possible over the entire Unicode range. For other engines, only the 8-bit range (0-255) is covered by such tables.

<hr/> <hr/> <code>\cctab_new:N</code>	<code>\cctab_new:N</code> \langle <i>category code table</i> \rangle Creates a new category code table, initially with the codes as used by iniT _E X.
<hr/> <hr/> <code>\cctab_const:Nn</code>	<code>\cctab_const:Nn</code> \langle <i>category code table</i> \rangle $\{$ \langle <i>category code set up</i> \rangle $\}$ Creates a new category code table and applies the \langle <i>category code set up</i> \rangle on top of prevailing settings, then saves as a constant table.
<hr/> <hr/> <code>\cctab_gset:Nn</code>	<code>\cctab_gset:Nn</code> \langle <i>category code table</i> \rangle $\{$ \langle <i>category code set up</i> \rangle $\}$ Sets the \langle <i>category code table</i> \rangle to apply the category codes which apply when the prevailing régime is modified by the \langle <i>category code set up</i> \rangle . Thus within a standard code block the starting point will be the code applied by <code>\c_code_cctab</code> . The assignment of the table is global: the underlying primitive does not respect grouping.
<hr/> <hr/> <code>\cctab_begin:N</code>	<code>\cctab_begin:N</code> \langle <i>category code table</i> \rangle Switches the category codes in force to those stored in the \langle <i>category code table</i> \rangle . The prevailing codes before the function is called are added to a stack, for use with <code>\cctab_end:</code> .
<hr/> <hr/> <code>\cctab_end:</code>	<code>\cctab_end:</code> Ends the scope of a \langle <i>category code table</i> \rangle started using <code>\cctab_begin:N</code> , retuning the codes to those in force before the matching <code>\cctab_begin:N</code> was used.
<hr/> <hr/> <code>\c_code_cctab</code>	Category code table for the code environment. This does not include setting the behaviour of the line-end character, which is only altered by <code>\ExplSyntaxOn</code> .

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<u><u><code>\c_document_cctab</code></u></u>	Category code table for a standard L ^A T _E X document. This does not include setting the behaviour of the line-end character, which is only altered by <code>\ExplSyntaxOff</code> .
<u><u><code>\c_initex_cctab</code></u></u>	Category code table as set up by <code>iniT_EX</code> .
<u><u><code>\c_other_cctab</code></u></u>	Category code table where all characters have category code 12 (other).
<u><u><code>\c_str_cctab</code></u></u>	Category code table where all characters have category code 12 (other) with the exception of spaces, which have category code 10 (space).

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