

autopuncitems

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1 Introduction

This package provides the `autopunc` option in the `enumitem` environments `itemize`, `enumerate`, and `description` to automatically punctuate the items. It uses lua pattern matching to modify the environment's contents.

2 Some commands

`\APomit` Used in an `\item` to signify that that item should not be automatically punctuated, and not be counted. Expands to nothing.

`\APpass` Used in an `\item` to signify that that item should not be automatically punctuated, and but still counted. Expands to nothing.

`\setAPEach {}{}{}` Set the default, second last, and last punctuation point in that order.

`\setAPall {}` Set all punctuation points the same.

`\setAPdef {}` Set the default punctuation point. `;` by default.

`\setAPseclast {}` Set the second last punctuation point. `;` and by default.

`\setAPlast {}` Set the second last punctuation point. `.` by default.

`\enableAPautopassnest` Automatically put an `\APpass` on items that introduce a nested list. Default behaviour.

`\disableAPautopassnest` Do not automatically put an `\APpass` on items that introduce a nested list.

3 Tutorial

3.1 Basic Use

<pre>1 \begin{itemize}[autopunc] 2 \item one 3 \item two 4 \item three 5 \item four 6 \end{itemize}</pre>	<ul style="list-style-type: none">• one;• two;• three; and• four.
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3.2 Demonstrating Pass

<pre>1 \begin{itemize}[autopunc] 2 \item one 3 \item two 4 \item three \APpass 5 \item four 6 \end{itemize}</pre>	<ul style="list-style-type: none">• one;• two;• three• four.
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<pre>1 \begin{itemize}[autopunc] 2 \item one 3 \item two 4 \item three \APpass 5 \item four \APpass 6 \end{itemize}</pre>	<ul style="list-style-type: none">• one;• two;• three• four
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3.3 Demonstrating Omit

<pre>1 \begin{itemize}[autopunc] 2 \item one 3 \item two 4 \item three \APomit 5 \item four 6 \end{itemize}</pre>	<ul style="list-style-type: none">• one;• two; and• three• four.
---	---

<pre>1 \begin{itemize}[autopunc] 2 \item one 3 \item two 4 \item three \APomit 5 \item four \APomit 6 \end{itemize}</pre>	<ul style="list-style-type: none">• one; and• two.• three• four
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3.4 Nested

You must use `autopunc` on each nested list if you want that sub-list to be automatically punctuated. Note that by default, the item introducing (before) a sub-list will not be automatically punctuated.

```
1 \begin{itemize}[autopunc]
2   \item one
3   \item two
4   \item three:
5   \begin{enumerate}[autopunc]
6     \item alpha:
7     \begin{description}[autopunc]
8       \item[hello] world
9     \end{description}
10    \item beta
11    \item delta
12  \end{enumerate}
13  \item four
14 \end{itemize}
```

- one;
- two;
- three:
 - 1. alpha:
 - hello** world.
 - 2. beta; and
 - 3. delta.
- four.

3.4.1 If you forget to use `APpass`

If you disable auto-pass nested lists, and don't use `\APpass`, here is what happens. Notice the extra “; and” below hello world and beta.

```
1 \disableAPautopassnest
2 \begin{itemize}[autopunc]
3   \item one
4   \item two
5   \item three
6   \begin{enumerate}[autopunc]
7     \item alpha
8     \begin{description}[autopunc]
9       \item[hello] world
10    \end{description}
11    \item beta
12  \end{enumerate}
13  \item four
14 \end{itemize}
```

- one;
- two;
- three
 - 1. alpha
 - hello** world.
; and
 - 2. beta.
; and
- four.

1	<code>\enableAPautopassnest</code>	
2	<code>\begin{itemize}[autopunc]</code>	
3	<code>\item one</code>	• one;
4	<code>\item two</code>	• two;
5	<code>\item three</code>	• three
6	<code>\begin{enumerate}</code>	1. alpha
7	<code>\item alpha</code>	hello world.
8	<code>\begin{description}[autopunc]</code>	2. beta
9	<code>\item[hello] world</code>	
10	<code>\end{description}</code>	
11	<code>\item beta</code>	• four.
12	<code>\end{enumerate}</code>	
13	<code>\item four</code>	
14	<code>\end{itemize}</code>	