The phonrule package (v1.3.2)

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1 Purpose


2 Usage

\phon{\{input\}\{output\}}

The command \phon has two arguments: the first one is the input of the rule and the second is its output. Here is an example with the code and the result it produces:

(1) \phon{z}{r}
(2) z \rightarrow r

\phonc{\{input\}\{output\}\{context\}}

\phonc adds a third argument for the context:

(3) \phonc{a}{ə}{[-stressed]}
(4) a \rightarrow ə / [-stressed]

The commands \phonl, \phonr and \phons add a place holder line and put the context, respectively, on the left (l), on the right (r) and on both sides (b):

(5) a. \phonl{k}{c}{i}
b. k \rightarrow t / i_
(6) a. \phonr{t}{ts}{u}
b. t \rightarrow ts / _u
(7) a. \phons{s}{z}{V}{V}
b. s \rightarrow z / V_V

The \oneof command provides the possibility to compile several contexts, one per line, embraced by a left curly bracket.
The `\phonfeat` command allows you to insert feature specifications. The possible values are `[c]` for centre (the default), `[l]` for left-aligned, and `[r]` for right-aligned.

\[ t \rightarrow ts \left\{ \begin{array}{c}
- i \\
- u
\end{array} \right. \]

\[ t \rightarrow ts / \begin{bmatrix}
- \text{consonantal} \\
+ \text{high} \\
+ \text{front}
\end{bmatrix} \]

\`\phold` typesets a place holder line. You can nest `\oneof` and `\phonfeat` commands for complex rules. The `\oneof` command accepts an optional argument which tells the alignment of the context.

\[ x \rightarrow y / \begin{bmatrix}
+ \text{feature x} \\
- \text{feature y}
\end{bmatrix} \]

You can use `\env`, `\envl`, `\envr`, `\envb` for rules with more than one output: these commands typeset only the different outputs with their respective environments. The possible values are `[c]` for centre (the default), `[l]` for left-aligned, and `[r]` for right-aligned. The following example shows the use of the optional argument with `[l]`. The `\env`, `\envl`, `\envr`, `\envb` have a starred version to be used when an optional argument is set in `\oneof`. 

\[ \phon{x}\{\oneof[l]\
  \envr*{w}{z} \\\n  \envl*{v}\{\phonfeat\
  +\text{feature x} \\\n-\text{feature y}
\} \phold
\} \]

2
\begin{equation}
\begin{array}{c}
\text{feature } y \\
\end{array}
\end{equation}

(15) \quad x \rightarrow \left\{ \begin{array}{l}
w / \\
v / \\
\end{array} \right. \begin{array}{l}
w / \left[ +\text{feature } x \right] \\
v / \left[ -\text{feature } y \right]
\end{array}

3 \quad \text{Change log}

\textbf{v1.3.2 - 2017-04-16}

\textbf{Added}
- optional argument for text alignment in \texttt{phonfeat} command

\textbf{v1.3.1 - 2017-01-02}

\textbf{Added}
- needs \texttt{\LaTeX} format \texttt{\LaTeXe}

\textbf{Removed}
- \texttt{\makeatletter}
- unused definition

\textbf{v1.3.0 - 2016-12-26}

\textbf{Added}
- optional argument for text alignment in \texttt{oneof} command
- starred version of the \texttt{env} command family for use with optional argument in \texttt{oneof}

\textbf{Changed}
- definition of \texttt{phon} command family
- header of \texttt{phonrule.sty}
- extension of README, now \texttt{.md}

\textbf{Removed}
- package \texttt{ragged2e}

\textbf{v1.2.0}

\textbf{Added}
- \texttt{ragged2e} package for \texttt{Centering} command
Fixed

- Fixed: now the content of the feature matrices is centred and not left aligned

v1.1.0

Changed

- definition of \phonfeat and \oneof with \pbox (requires package pbox)

Fixed

- documentation typos

v1.0.0

Added

- new commands \env for personalised outputs

Changed

- definition of commands with \ensuremath
- environments to commands
- place holder to 1.5ex length, -1.5pt vertical position
- curly brackets to only left in \oneof command