The phonrule package (v1.2.0)

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1 Purpose

This package provides macros for typesetting phonological rules like those in Sound Pattern of English (Chomsky, Noam & Morris Halle. 1968. The sound pattern of English. New York, Evanston, and London: Harper & Row).

2 Usage

\phon{\(\lambda\) \rangle \(\lambda\) \cdot \(\lambda\) \rangle \(

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) $\left\{ r\right\}$
- (2) $z \rightarrow r$

\phonc{\langle input \rangle \} {\langle context \rangle \}

\phonc adds a third argument for the context:

- $(3) \ \rho (a){\{e\}\{[-stressed]\}}$
- (4) $a \rightarrow a / [-stressed]$

The commands \phon1, \phonr and \phonb 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. $\phi(5)$
 - b. $k \rightarrow t / i_{-}$
- (6) a. \phonr{t}{ts}{u}
 - b. $t \rightarrow ts / \underline{u}$
- (7) a. $\phi(s){z}{V}{V}$

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.

```
(8) \quad \begin{array}{ll} \begin{array}{ll} & \text{\colored}(t) \\ & \text{\colored
```

The \phonfeat command allows you to insert feature specifications:

```
(10) \quad \begin{array}{ll} \begin{array}{ll} & \end{array} \end{array} \end{array} \end{array} \end{array}
```

\phold typesets a place holder line. You can nest one of and phonfeat commands for complex rules.

You can use \env, \env1, \envr, \envb for rules with more than one output: these commands typeset only the different outputs with their respective environments.

$$(14) \quad \begin{array}{l} \begin{array}{c} & \\ & \\ & \\ \end{array} \\ & \\ & \\ \end{array} \\ \begin{array}{c} & \\ \\ \end{array} \\ \begin{array}{c} & \\ & \\ \end{array} \\ \begin{array}{c} & \\ \\ \end{array} \\ \begin{array}{c} & \\ \\ \end{array} \\ \begin{array}{c} & \\ \\ \end{array} \\ \\$$

3 Changelog

v1.2.0

Added

• ragged2e package for \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 ω command