The dynbrackets package

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1 Introduction

This package simplifies the syntax of calling dynamic math brackets.

Dynamic math brackets builds on \left and \right syntax of deploying size sensible brackets in math mode.

2 Usage

dynbrackets implements commands to the math braces and parentheses found in Table 1. Note that LATEX markup on the table doesn't correspond to dynamic brackets, just the brackets themselves.

To have the brackets change size dynamically with the content one would have to use \left and \right on each bracket respectively. To simplify the syntax, dynbrackets implements a command for each bracket pair. When calling a dynamic bracket, content inside the bracket will automatically be in math mode.

3 Implementation

- 1 \NeedsTeXFormat{LaTeX2e}
- 2 \ProvidesPackage{dynbrackets}

Table 1: List of Math Brackets

Type	₽TEX	dynbrackets	Renders as
Parentheses; round brackets	(x+y)	\dbr{x+y}	(x+y)
Brackets; square brackets	[x+y]	$\dbs{x+y}$	[x+y]
Braces; curly brackets	\{ x+y\}	$\dbc{x+y}$	$\{x+y\}$
Angle brackets	\langle x+y \rangle	$\dba{x+y}$	$\langle x+y\rangle$
Pipes; vertical bars	x+y	$\dp{x+y}$	x+y
Double pipes	\ x+y \	\dbdp{x+y}	x+y

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3 [2021/04/12 v1.0.1 Simplifies the syntax of calling dynamic math brackets]

\dbr
4 \newcommand{\dbr}[1]{\ensuremath{\left(#1\right)}}

\dbs
5 \newcommand{\dbs}[1]{\ensuremath{\left\{#1\right\}}}

\dbc
6 \newcommand{\dbc}[1]{\ensuremath{\left\{#1\right\}}}

\dba
7 \newcommand{\dba}[1]{\ensuremath{\left\langle#1\right\rangle}}

\dbp
8 \newcommand{\dbp}[1]{\ensuremath{\left|#1\right|}}

\dbdp
9 \newcommand{\dbdp}[1]{\ensuremath{\left\|#1\right\|}}
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