Control the Space After Punctuation in Expressions

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1 Descriptions

We provide a mechanism to control the space after the comma in the expressions.

2 Usage

2.1 Sample of Preamble

```
\usepackage{mathpunctspace}
```

2.2 Options

- unit: mu or other (default: mu)
- comma: substitute keyword “natural” or skip (default: natural)
- semicolon: substitute keyword “natural” or skip (default: natural)
- colon: substitute keyword “natural” or skip (default: natural)
- latexorg: original behavior of LaTeX

Remark: keyword “natural” mean the spacing of the in-line.

3 License

4 Repository

`https://github.com/yuw/texmf-mathpunctspace`

5 Samples

5.1 Sources

```
Lorem ipsum $(x, y)$, dolor sit amet.

Lorem ipsum $\{x; x \in A\}$; dolor sit amet.

Lorem ipsum $f\colon g \to h$: dolor sit amet.
```

5.2 Sample of Options and Results

```
\usepackage[latexorg]{mathpunctspace}
```

Lorem ipsum (x, y), dolor sit amet.
Lorem ipsum $\{x; x \in A\}$; dolor sit amet.
Lorem ipsum $f\colon g \to h$: dolor sit amet.

```
\usepackage{mathpunctspace}
% same: comma=natural,semicolon=natural,colon=natural
```

Lorem ipsum (x, y), dolor sit amet.
Lorem ipsum $\{x; x \in A\}$; dolor sit amet.
Lorem ipsum $f\colon g \to h$: dolor sit amet.

```
\usepackage[comma=10mu,semicolon=20mu,colon=30mu]{mathpunctspace}
```

Lorem ipsum $(x,\ y)$, dolor sit amet.
Lorem ipsum $\{x;\quad x \in A\}$; dolor sit amet.
Lorem ipsum $f\colon\quad g \to h$: dolor sit amet.

```
\usepackage[unit=pt,comma=5pt,semicolon=5pt,colon=5pt]{mathpunctspace}
```

Lorem ipsum $(x,\ y)$, dolor sit amet.
Lorem ipsum $\{x;\ x \in A\}$; dolor sit amet.
Lorem ipsum $f\colon\ g \to h$: dolor sit amet.

```
\usepackage[comma=0mu,semicolon=natural,colon=natural]{mathpunctspace}
```

Lorem ipsum (x,y), dolor sit amet.
Lorem ipsum $\{x; x \in A\}$; dolor sit amet.
Lorem ipsum $f\colon g \to h$: dolor sit amet.

6 Risks

If the option (`comma=10mu`) is given as follows, "right" output can not be obtained. See *The TEXbook* p. 134.

```
\usepackage[comma=10mu]{mathpunctspace}
```

Input: `$1{,}000$` Output: $1{,}000$ $1,\quad 000$