1 SMMath

Original delimiter spacing:

$$\left\{2^{2^{2^n}}\right\}$$

Fixed delimiter spacing:

$$\left\{2^{2^{2^n}}\right\}$$

Original left-right display math:

$$\left|A^{det}\right|$$

Original left-right inline math:

$$\left|A^{det}\right|$$

Automatic left-right display math:

$$\left|A^{det}\right|$$

Automatic left-right inline math:

$$|A^{det}|$$

Original left-right display math:

$$\left\{\begin{array}{c|c} 1 & 4 \\ 2 & 5 \\ 3 & 6 \end{array}\right\}$$

Original left-right inline math:

$$\left\{\begin{array}{c|c} 1 & 4 \\ 2 & 5 \\ 3 & 6 \end{array}\right\}$$

Automatic left-right display math:

$$\left\{\begin{array}{c|c} 1 & 4 \\ 2 & 5 \\ 3 & 6 \end{array}\right\}$$

Automatic left-right inline math:

$$\left\{\begin{array}{c|c} 1 & 4 \\ 2 & 5 \\ 3 & 6 \end{array}\right\}$$

$$\left(2^{2^{2^n}}\right)$$

$$\{a, b, c\}\{a, b, c\}$$

$$[a, b, c]$$

$$\lceil 2.5 \rceil = 3 = \lfloor 3.5 \rfloor$$

$$M[\![p(f(a))]\!], M[\![p(f(a))]\!]$$

$$\left\langle x^2 - y \right\rangle$$

$$|\{a, b, c\}|, |\{a, b, c\}| = 3$$

$$\{a^n b^n \mid n \in N\}$$

$$\{5, \ldots, 10\}, \{1, \ldots, 5\}, \{0, \ldots, 10\}$$

$$|\mathcal{P}(X)| = 2^{|X|}$$

$$N \to Z = Z \leftarrow N$$

$$\text{true} \wedge \text{false} = \text{false}$$

$$\texttt{true} \wedge \texttt{false} = \texttt{false}$$

$$\textit{true} \wedge \textit{false} = \textit{false}$$

$$f_{/2}$$

$$1\text{km} \mathrel{\widehat{=}} 1.6mi$$

$$\text{true} \overset{\wedge}{\vee} \text{false} \neq \text{false} \overset{\vee}{\wedge} \text{true}$$

$$n ::= 0 \mid n + 1$$

$$X = Y \uplus Z, X = \bigcup\!\!\!\!\cdot_{i \in N} Y_i, X = Y \sqcup Z, X = \bigsqcup\!\!\!\!\cdot_{i \in N} Y_i,$$

$$X\uparrow, X\downarrow, X\uparrow, X\downarrow$$

$$p \models p \vee q \models\!\!\!\models q \vee p$$

$$o(f) \cap \omega(f) = \emptyset$$
$$\mathcal{O}(f) \cap \Omega(f) = \Theta(f)$$

$$\ldots \sqcup\sqcup a \ldots a \sqcup\sqcup \ldots$$

$$\mathsf{Space}_M : x \mapsto \mathsf{Space}_M(x)$$
$$\mathsf{Time}_M : x \mapsto \mathsf{Time}_M(x)$$

$$\mathsf{REC} \subsetneq \mathsf{RE}$$

$$\mathsf{APTIME}, \mathsf{APSPACE}, \mathsf{AEXPTIME}, \mathsf{AEXPSPACE}$$

$$\mathsf{coNP} = \mathsf{NP}?$$

$$\mathsf{L} \subseteq \mathsf{NL} \subseteq \mathsf{P} \subseteq \mathsf{NP} \subseteq \mathsf{PSPACE} \subseteq \mathsf{EXP} \subseteq \mathsf{NEXP} \subseteq \mathsf{EXPSPACE} \subseteq 2\mathsf{EXP} \subseteq \ldots$$

$$k\mathsf{EXP} \subseteq \mathsf{ELEMENTARY} \subseteq \mathsf{TOWER} \subseteq \mathsf{PR} \subseteq \mathsf{ACKERMANN}$$

$$\mathsf{Tower}(2) = exp_2(2) = 2^{2^2}$$

$$\mathsf{Acker}(5,5) \text{ is very large}$$

$$\mathsf{SAT} \leq_{\mathrm{poly}} \mathsf{HamiltonianCycle} \geq_{\mathrm{poly}} \mathsf{SAT}$$

$$\mathsf{RADAR} \preceq \mathsf{ABRACADABRA}$$

$$q \xrightarrow{w} p, q \xrightarrow{w}_i p$$

$$\mathcal{L}(A), \mathcal{L}^{\omega}(B), \Psi(\mathcal{L}(C))$$

$$a^n S b^n \Rightarrow a^{n+1} S b^{n+1}$$