

avcmath

50^{th}

$\mathscr{X}+y=\mathscr{X}+z$

$y-z=(\cancel{x}\rightarrow x)^0$

$1^{\mathrm{st}}\ 2^{\mathrm{nd}}\ 3^{\mathrm{rd}}$

$\mathrm{tr}(M)$

$\mathrm{sgn}(\pi)$

$\mathrm{span}\{e_1,e_2\}$

\backslash

$1^{\mathrm{st}}\ 2^{\mathrm{nd}}\ 3^{\mathrm{rd}}\qquad\qquad 1^{\mathrm{st}}\ 2^{\mathrm{nd}}\ 3^{\mathrm{rd}}$

$$\left(\sum_{kl}A_{ik}B_{kl}C_{lj}\right)$$
$$\left[\sum_{kl}A_{ik}B_{kl}C_{lj}\right]$$
$$\left[\sum_{kl}A_{ik}B_{kl}C_{lj}\right]$$

$^{1/2}$

$\frac{1}{2}\ \frac{1}{2}$

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$\frac{\partial^3 f(x)}{\partial x^3}\ \frac{\partial^3 f(x)}{\partial x^3}$

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$\frac{d^3 f(x)}{dx^3}\ \frac{d^3 f(x)}{dx^3}$

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$$\partial$$

$$n \in 1,2,\ldots,3$$

$$\begin{pmatrix} a & \cdots & b & \cdots & c \\ \vdots & \ddots & \vdots & \ddots & \vdots \\ d & \cdots & e & \cdots & f \end{pmatrix}$$

$$\begin{bmatrix} a & \cdots & b & \cdots & c \\ \vdots & \ddots & \vdots & \ddots & \vdots \\ d & \cdots & e & \cdots & f \end{bmatrix}$$

$$a \quad \cdots \quad b \quad \cdots \quad c$$

$$\begin{matrix} \vdots & \ddots & \vdots & \ddots & \vdots \\ d & \cdots & e & \cdots & f \end{matrix}$$

$$d \quad \cdots \quad e \quad \cdots \quad f$$

$$\begin{pmatrix} -1 & 0 & 0 \\ 0 & +1 & 0 \\ 0 & 0 & -1 \end{pmatrix}$$