## newcommand guide

目录

 $\mathrm{sample}\{x\}\{i\}$ 

$$x^{(i)} (1)$$

 $samplet\{x\}\{i\}\{k\}$ 

$$x_k^{(i)} \tag{2}$$

 $vectornew\{x\}\{n\}$ 

$$(x_1, \cdots, x_n) \tag{3}$$

 $vvectornew\{x\}\{n\}$ 

$$\begin{pmatrix} x_1 \\ x_2 \\ \vdots \\ x_n \end{pmatrix} \tag{4}$$

 $matrixthird\{K\}\{n\}\{m\}$ 

$$\begin{pmatrix} K_{11} & K_{12} & \cdots & K_{1m} \\ K_{21} & K_{22} & \cdots & K_{2m} \\ \vdots & \vdots & \ddots & \vdots \\ K_{n1} & K_{n2} & \cdots & K_{nm} \end{pmatrix}$$
(5)