Cheat sheet: config.tex, Ver: June 20, 2018

Reference				Greek letter				Auto-adjust size	Auto-adjust size	
					command	output	command	output	command	output
					\alpha	α	\bfalpha	α	\set{x}	$\{x\}$
					\beta	β	\bfbeta	$oldsymbol{eta}$	\ceil{x}	$\begin{bmatrix} x \end{bmatrix}$
					\gamma	γ	\bfgamma	$\dot{\gamma}$	\floor{x}	$\begin{bmatrix} x \\ x \end{bmatrix}$
					\Gamma	Γ	\bfGamma	$\dot{f \Gamma}$	\norm{x}	x
					\delta	δ	\bfdelta	δ	\abs{x}	x
				output Section ?? Algorithm ?? Theorem ?? Corollary ??	\Delta	Δ	\bfDelta	$oldsymbol{\Delta}$	\paren{x}	(x)
					\eps	ε	\bfeps	ε	\sbrak{x}	$\begin{bmatrix} x \end{bmatrix}$
<pre>command </pre>					\zeta	ζ	\bfzeta	ζ	\dotp{a}{b}	$a \cdot b$
					\eta	η	\bfeta	η	\inner{a}{b}	$\langle a,b \rangle$
	output Figure ?? Equation (? Definition ?				\theta	$\dot{ heta}$	\bftheta	$\dot{ heta}$	\outerp{x}	xx^T
		on (??)			\Theta	Θ	\bfTheta	Θ	\outerp{x}	$(x-b)(x-b)^T$
					\iota	ι	\bfiota	ι	\tr{x}	(x-b)(x-b) Tr (x)
					\kappa	κ	\bfkappa	κ	\tI\x\rac{x\rac{x}{a}}	$\mathbb{E}_a[x]$
	Lemma				\lambda	λ	\bflambda	λ	\Exp(x)(a) \CondExp(x)(y)(a)	$\mathbb{E}_a[x]$ $\mathbb{E}_a[x y]$
	Proposi	ition ??			\Lambda	Λ	\bfLambda	Λ	\CONGEXP(X)(y)(a) \KL{P}{Q}	
					\mu	μ	\bfmu	μ	\KLmax{P}{Q}	$D_{\mathrm{KL}}(P Q)$
					\nu	ν	\bfnu	ν	\minimize{x}{a}	$D_{\mathrm{KL}}^{\mathrm{max}}(P\ Q)$ minimize x
					\xi	ξ	\bfxi	ξ		a
					\Xi	É	\bfXi	É	$\maximize\{x\}\{a\}$	$ \begin{array}{c} \text{maximize } x \end{array} $
					\pi	π	\bfpi	π	\subto{x}	subject to x
					\Pi	П	\bfPi	П	$\dfrac{x}{y}$	
					\rho	ρ	\bfrho	ho	\ddfracc{x}	$\frac{\mathrm{d}y}{\mathrm{d}}$
					\sigma	σ	\bfsigma	σ	\\ddffdc(x) \\pfrac{x}{y}	$\frac{\mathrm{d}x}{\partial x}$
					\Sigma	Σ	\bfSigma	$oldsymbol{\Sigma}$	- •	$\frac{\overline{\partial y}}{\partial z}$
					\tau	au	\bftau	au	\pfracc{x}	$ \frac{\frac{\mathrm{d}x}{\mathrm{d}y}}{\frac{\mathrm{d}x}{\mathrm{d}x}} $ $ \frac{\frac{\partial x}{\partial x}}{\frac{\partial y}{\partial y}} $ $ \frac{\frac{\partial}{\partial y}}{\frac{\partial}{\partial x}}\sum_{x=1}^{N} 1$ $ 1 (x = a) $
					υ	v	\bfupsilon	$oldsymbol{v}$	$\avgsum\{x\}\{1\}\{N\}$	
					\Upsilon	Υ	\bfUpsilon	Υ	$\displaystyle \begin{array}{l} \ \ \ \ \end{array}$	
					\fy	φ	\bffy	arphi	$\displaystyle \qquad \qquad$	$x^T A x$
Fonts					\Fy	Φ	\bfFy	Φ	$\displaystyle \qquad \qquad$	$(x-y)^T A (x-y)$
1 01105					\chi	χ	\bfchi	χ		
					\psi	ψ	\bfpsi	$oldsymbol{\psi}$		
					\Psi	Ψ	\bfPsi	Ψ		
					\omega	ω	\bfomega	ω		
					\Omega	Ω	\bf0mega	Ω		
	Mathematical notations									
Basic										
					command	output	command	output		
					\RE	Re	\IM	Im		
command	output	comman	d $output$		\Tr	Tr	\GL	GL		
\bfa	a	\bfz	\mathbf{z}		\rank	rank	\argmin	argmin		
\bfA	\mathbf{A}	\bfZ	${f z}$		\argmax	argmax	\p(x)	P(x)		
\ hh	A	\ hh7	77		\ Vo=	Von	\ Corr	Corr		

\Var

\DKL

\pdd

Var

 $\begin{array}{l} D_{\mathrm{KL}} \\ \partial \end{array}$

\Cov

\dd x

Cov

 $\mathrm{d}x$

 $_{\mathcal{A}}^{\mathbb{A}}$

\bbA

\ccA

\bbZ

\ccZ

 \mathbb{Z}