symnormal: for vector index notation

abcdefghijklmnop qrstuvwxyz ABCDEFGHIJKLMNOPQRSTUVWXYZ0123456789

αβγδεεζηθθικλμνξοπ $\varpi$ ροςςτυφφχψω $\Delta$ ΓΘΛΞΠΣΥΦΨ $\Omega$ 

symbf: for coordinate-free vectors and matrices

# abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZαβγδεεζηθθικλμνξοπ $\varpi$ ρρσςτυφ $\varphi$ χψω $\Delta$ Γ $\Theta$ ΛΞΠΣΥ $\Phi$ Ψ $\Omega$

symup: for text labels, particles, and upright Greek

abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ0123456789

αβγδεεζηθθικλμνξοπ $\varpi$ ροσςτυφφχψω $\Delta$ ΓΘΛΞΠΣΥΦΨ $\Omega$ 

symbfup: for bold text labels

### abc defghijklm nop qrstuv wxyz ABCDEFGHIJKLMNOPQRSTUVWXYZ0123456789

αβγδεεζηθθικλμυξοπ $\varpi$ ροςτυφφχψω $\Delta$ ΓΘΛΞΠΣΥΦΨ $\Omega$ 

symsfup: for physical dimensions

abcdefghijklmnopgrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ0123456789

αβγδεεζηθθικλμνξοπωρρσςτυφφχψωΔΓΘΛΞΠΣΥΦΨΩ

symbfsfup: available if needed

## abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ0123456789 αβγδεεζηθθικλμνξοπωρρσςτυφφχψωΔΓΘΛΞΠΣΥΦΨΩ

symsfit: for tensor index notation

abcdefqhijkImnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ

αβγδεεζηθθικλμνξοπωροσςτυφφχψωΔΓΘΛΞΠΣΥΦΨΩ

symbfsfit: for coordinate-free tensors

### abcdefghijk Imnop qr stuvwxyz ABCDEFGHIJKLMNOPQRSTUVWXYZ

αβγδεεζηθθικλμνξοπωροσςτυφφχψωΔΓΘΛΞΠΣΥΦΨΩ

symcal and symbfcal: for naming points and coordinate systems

ABCDEFGHIJKLMNOPQRSTUVWXYZ ABCDEFGHIJKLMNOPQRSTUVWXYZ

symscr and symbfscr: for naming spacetime events

abcdefghijklmnopqrstuvwxyzABCDEFGHJJXLMNOPQRSTUVWXYZ

#### abcdefghijklmnoparstuvwxyzABCDEFGHJJKLMNOFQRSTUVWXYZ

symtt: available if needed

abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ0123456789

symfrak and symbffrak: available if needed

abcdefghijklmnopgrstuvwrnzUBCDEFGHIJRLMNDPQRSTUVWXYJ

#### abcdefghijklmnopgrstuvmryzABCDEFGHJJKLMNDPQMGTUVWXY3

symbb and symbbit: available if needed

obcdefghijkl<br/>mnopqrstuvwzyz ABCDEFGHIJKLMNOPQRSTUVWXYZ0123456789<br/>  $\det i \!\!\!/ D$ 

$$\dim Q = \mathsf{L}^\alpha \mathsf{M}^\beta \mathsf{T}^\gamma \mathsf{I}^\delta \mathsf{\Theta}^\varepsilon \mathsf{N}^\zeta \mathsf{J}^\eta$$

$$\begin{split} \pmb{\epsilon}(\underline{\ \ },\underline{\ \ },\underline{\ \ }) &= \textit{LeviCivita}(\underline{\ \ \ },\underline{\ \ },\underline{\ \ }) = \pmb{\epsilon}_{ijk}\, \mathbf{e}^i \otimes \mathbf{e}^j \otimes \mathbf{e}^k \\ \textit{dot}(\underline{\ \ \ },\underline{\ \ }) &= \textit{metric}(\underline{\ \ \ },\underline{\ \ }) = \textit{g}(\underline{\ \ \ },\underline{\ \ }) = g_{ij}\, \mathbf{e}^i \otimes \mathbf{e}^j \\ \textit{dot}(\mathbf{a},\mathbf{b}) &= \textit{metric}(\mathbf{a},\mathbf{b}) = g(\mathbf{a},\mathbf{b}) = \mathbf{a} \cdot \mathbf{b} \end{split}$$