

Notation Conventions

\mathcal{M}, \mathcal{N}	manifolds
x, y	points on a manifold
ξ, η, ζ, χ	tangent vectors or vector fields
$\xi_x, \eta_x, \zeta_x, \chi_x$	tangent vectors at x
φ, ψ	coordinate charts
A, B	square matrices
W, X, Y, Z	matrices
$\mathcal{W}, \mathcal{X}, \mathcal{Y}, \mathcal{Z}$	linear subspaces

Conventions related to the definition of functions are stated in Section A.3.