2.10 Entropy

The specific entropy of seawater η is given by

$$\eta = \eta(S_A, t, p) = -g_T = -\partial g/\partial T\big|_{S_A, p}. \tag{2.10.1}$$

When taking derivatives with respect to *in situ* temperature, the symbol T will be used for temperature in order that these derivatives not be confused with time derivatives.

Entropy η has units of J kg^{-1} K^{-1} in both the SIA and GSW computer libraries.