

## Notes on the GSW function **gsw\_SP\_from\_SR**

Notes made 15<sup>th</sup> March 2011

This function is the inverse function of **gsw\_SR\_from\_SP**. In the present function, **gsw\_SP\_from\_SR**, Practical Salinity  $S_p$  is calculated from Reference Salinity  $S_R$  according to

$$S_p = \frac{35}{35.165\,04\text{ g kg}^{-1}} S_R. \quad (1)$$

Reference Salinity  $S_R$  is the best estimate of the Absolute Salinity of a Standard Seawater sample.