

Notes on the function `gsw_CT_maxdensity_exact(SA, p)`

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This function, `gsw_CT_maxdensity_exact(SA, p)` calculates the Conservative Temperature at which the density of seawater is a maximum, at given values of Absolute Salinity and pressure.

This function is essential two calls to other GSW functions, namely

```
t_maxdensity_exact = gsw_t_maxdensity_exact(SA,p);  
CT_maxdensity_exact = gsw_CT_from_t(SA,t_maxdensity_exact,p);
```

That is, first the *in situ* temperature at which the density is maximal (at given SA and p) is found from `gsw_t_maxdensity_exact(SA,p)`, and then this value of *in situ* temperature is converted into Conservative Temperature using `gsw_CT_from_t`.