Notes on the GSW function gsw_t_from_CT for calculating in situ temperature *t* from Conservative Temperature Θ

This function essentially amounts to the following calls to two other GSW functions,

```
pr0 = zeros(size(SA));
pt0 = gsw_pt_from_CT(SA,CT);
t = gsw_pt_from_t(SA,pt0,pr0,p);
```

That is, from the inputs S_A and Θ potential temperature (referenced to zero dbar) is first formed. Then the function **gsw_pt_from_t** is called with the "bottle" being $(S_A, \theta, 0)$ and the reference pressure being p, so delivering the in situ temperature at p.