```
c2 function< float
             type >
# sampling_grid
# no overwrite_grid
# fXMin
# fXMax
# evaluations
# bad_x_point
+ cvs header vers()
+ cvs file vers()
+ ~c2_function()
+ value_with_derivatives()
+ operator()()
+ operator()()
+ find_root()
+ partial_integrals()
+ integral()
+ adaptively sample()
+ xmin()
+ xmax()
+ set_domain()
+ get_evaluations()
+ reset evaluations()
+ increment evaluations()
+ check_monotonicity()
+ set_sampling_grid()
+ get_sampling_grid_pointer()
+ get sampling grid()
+ preen_sampling_grid()
+ refine_sampling_grid()
+ normalized function()
+ square_normalized function()
+ square normalized function()
+ operator+()
+ operator-()
+ operator*()
+ operator/()
+ operator()()
+ get_trouble_point()
+ claim ownership()
+ release_ownership_for
_return()
+ release ownership()
+ count owners()
+ fill fblock()
# c2_function()
# c2_function()
# set_sampling_grid_pointer()
    c2_tan_p< float_type >
  + c2 tan p()
  + value with derivatives()
```