```
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 cached function
         _p< float_type >
   # func
   # init
   # x0
   # y
  # ур
  # ypp
   + c2_cached_function_p()
   + value_with_derivatives()
   # c2_cached_function_p()
```