Control
Class_Control

-debug_flag: integer
-rhs_density_type: integer
-rhs_force_type: integer
-stateEquation_type: integer
-kernel_type: integer
-integrate_type: integer
-symmetry: logical
-read_particles: logical
-write_restart: logical

+control_new()
-control_init_default(out this:Control,out stat_info:integer)

set default control parameters for poiseuille

-control_init_copy(out this:Control,in that:Control,out stat_info:integer)
+control_check(in this:Control,out stat_info:integer): logical

check if control parameters resonable

+control_finalize(in this:Control,out stat_info:integer)
+control_display_parameters(in this:Control,out stat_info:integer)
+control_get_debug_flag(in this:Control,out stat_info:integer): integer
+control_get_rhs_density_type(in this:Rhs,out stat_info:integer): integer
+control_get_rhs_force_type(in this:Rhs,out stat_info:integer): integer
+control_get_stateEquation_type(in this:Control,out stat_info:integer): integer
+control_get_kernel_type(in this:Control,out stat_info:integer): integer
+control_get_integrate_type(in this:Control,out stat_info:integer): integer
+control_get_symmetry(in this:Control,out stat_info:integer): logical
+control_get_read_particles(in this:Control,out stat_info:integer): logical
+control_get_write_restart(in this:Control,out stat_info:integer): logical
+control_set_debug_flag(in this:Control,in d_debug_flag:ineger,stat_info:integer)
+control_set_rhs_density_type(in this:Control,in d_rhs_density_type:integer,out stat_info:integer)
+control_set_rhs_force_type(inout this:Rhs,in d_rhs_force_type:integer,out stat_info:integer)
+control_set_stateEquation_type(in this:Control,in d_stateEquation_type:integer,
                            out stat_info:integer)
+control_set_kernel_type(in this:Control,in d_kernel_type:integer,out stat_info:integer)
+control_set_integrate_type(in this:Control,in d_integrate_type:integer,out stat_info:integer)
+control_set_symmetry(in this:Control,in d_symmetry:logical,out stat_info:integer)
+control_set_read_particles(inout this:Control,in d_read_particles:logical,out stat_info:integer)
+control_set_write_restart(inout this:Control,in d_write_restart:logical,out stat_info:integer)