```
inline void setup_fields( grit::engine2d_type & engine, grit::param_type
                                                                             & parameters)
  engine.attributes().create_attribute( "lower_field", 1u);
  engine.attributes().create attribute( "upper field", 1u);
 glue::clear_attribute( engine, "lower_field", lower_value, glue::EDGE_ATTRIBUTE() );
 glue::clear_attribute( engine, "upper_field", upper_value, glue::EDGE_ATTRIBUTE() );
  parameters.set_lower_threshold_attribute( "refinement",
                                                                    "lower_field");
 parameters.set_lower_threshold_attribute( "interface_refinement", "lower_field");
  parameters.set_upper_threshold_attribute( "coarsening",
                                                                    "upper_field");
  parameters.set_upper_threshold_attribute( "interface_coarsening", "upper_field");
inline void do_simulation_step(
                                                            & engine
                               grit::engine2d_type
                                util::ConfigFile
                                                       const & settings
  std::vector<double> L;
  std::vector<double> U;
 glue::Phase const my_area = glue::make_phase(engine,...);
  glue::get_sub_range(engine, my_area, "lower_field", L, glue::EDGE_ATTRIBUTE()
  glue::get_sub_range(engine, my_area, "upper_field", U, glue::EDGE_ATTRIBUTE()
 //... Update L and U with new values
 glue::set_sub_range(engine, my_area, "lower_field", L, glue::EDGE_ATTRIBUTE()
  glue::set_sub_range(engine, my_area, "upper_field", U, glue::EDGE_ATTRIBUTE()
```

Step 1: Connect custom edge fields to threshold limits on named operations

Step 2: Set the field values using glue::get_sub_range & glue::set_sub_range.
GRIT takes care of everything else.

If sizing fields are not specified for all attributes GRIT is just going to default back to the default value set with glue::clear_attribute or if glue::glue_attribute is omitted then the lower/upper threshold value that is read from the cfg files are used as default value.

How to set and control GRIT parameters in cfg files