

Statistic

- num_dim: integer
- k_energy: real
- momentum: real(:),pointer
- v aver: real(:),pointer

```
+statistic_init(out this:Statistic,in d_num_dim:integer,out stat_info:i
+statistic_finalize(in this:Statistic,out stat_info:integer)
+statistic_display_parameters(in this:Statistic,out stat_info:integer)
+statistic_compute_statistic(in this:Statistic,in particles:Particles,
                             out stat_info:integer)
+statistic_get_num_dim(in this:Statistic,out stat_info:integer): intege
+statistic_get_statistic(in this:Statistic,out d_k_energy:real,
                        d_momentum:real(:),pointer,d_v_aver:real(:),
                        pointer,out stat_info:integer)
```