

Test Case – SOD

pord = 1

no of cells = 1000

finaltime = 0.2

d_left = 1.0;

u1_left = 0.0;

u2_left = 0.0;

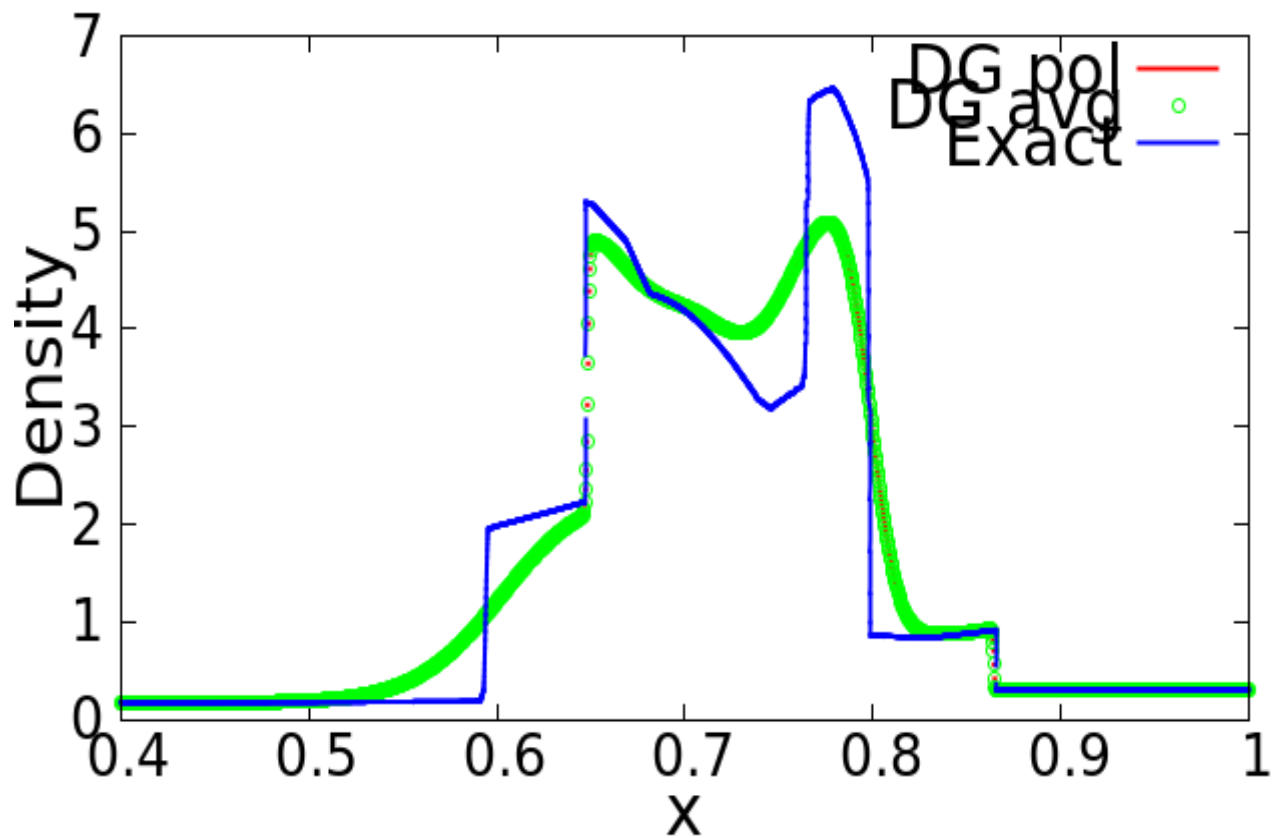
p_left = 1.0;

d_right = 0.125;

u1_right = 0.0;

u2_right = 0.0;

p_right = 0.1;



Test Case – BLAST

pord = 1

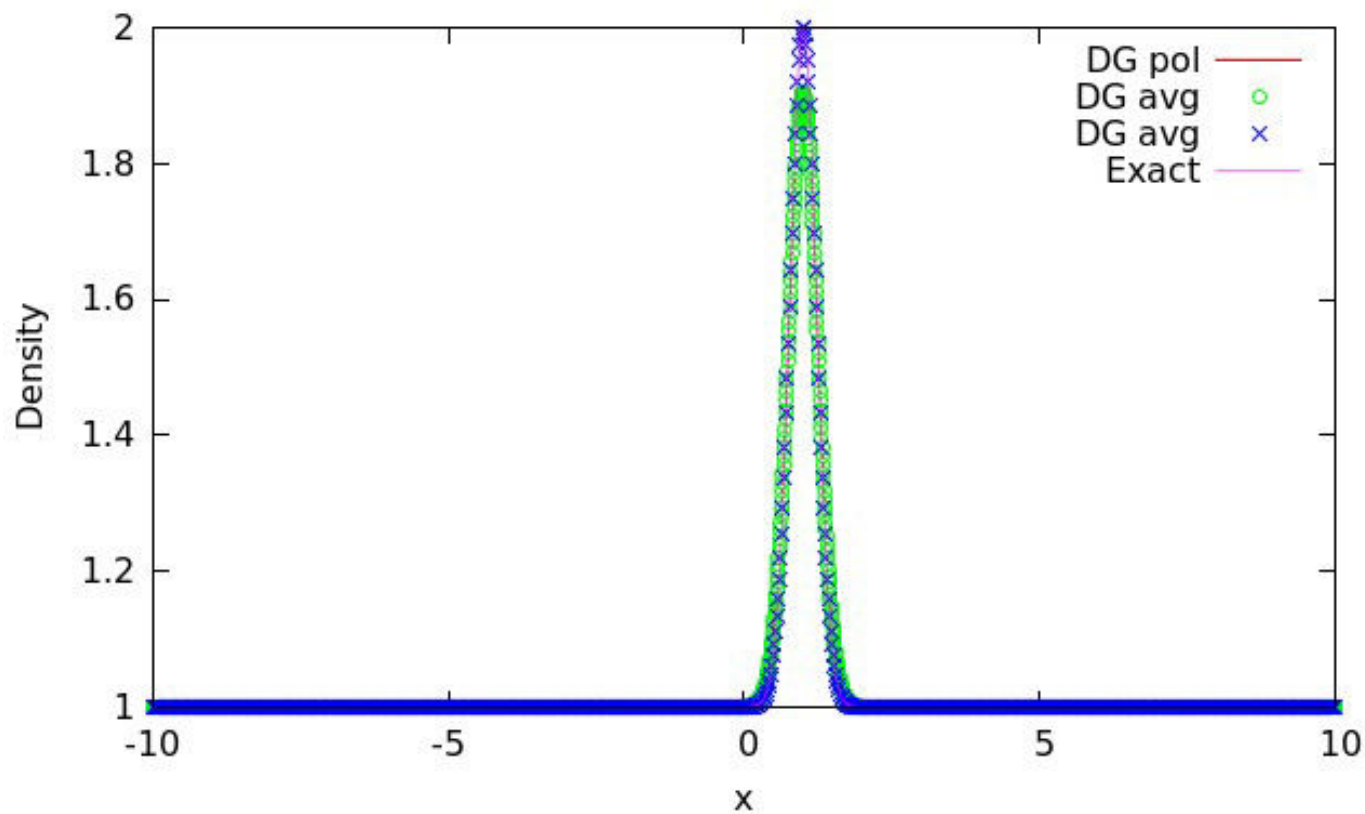
no of cells = 3000

finaltime = 0.038

```

if (x < 0.1) {
  V[0] = 1.0;
  V[1] = 0.0;
  V[2] = 0.0;
  V[3] = 1000.0;
} else if (x > 0.9) {
  V[0] = 1.0;
  V[1] = 0.0;
  V[2] = 0.0;
  V[3] = 100.0;
} else {
  V[0] = 1.0;
  V[1] = 0.0;
  V[2] = 0.0;
  V[3] = 0.01;
}

```



Test Case – PULSE

pord = 1

no of cells = 3000

finaltime = 1

d_left = 1.0;
u1_left = 0.0;
u2_left = 0.0;
p_left = 1.0;
d_right = 0.125;
u1_right = 0.0;
u2_right = 0.0;
p_right = 0.1;