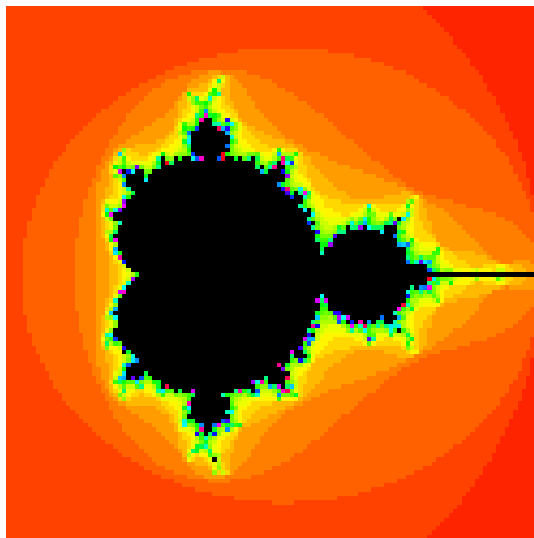


Maple code for the Mandelbrot Set

```
mandelbrot := proc(x, y)
  local c, z, m;
  c := evalf(x+y*I);
  z := c;
  for m to 30 while abs(z) < 2 do
    z := z^2+c
  od;
  m;
end:

plot3d(0, -2 .. 0.7, -1.2 .. 1.2,
orientation=[-90,0],
  grid=[250, 250], style=patchnogrid,
  scaling=constrained,
color=mandelbrot);
```



Code Credit: <http://www.mapleapps.com/>