

Bogdan Chwaliański

Zestaw 6 zadanie 4

$f[x_] := x^3 + 3x^2 - 5x + 3;$

$\text{MetodaOdNewtona}[z_] = z - f[z] / f'[z];$

```
ListDensityPlot[Table[  
  -Length[FixedPointList[MetodaOdNewtona, N[a + b I], 50]],  
  {b, -2, 2, .01},  
  {a, -2, 2, .01}],  
  Mesh -> False  
]
```