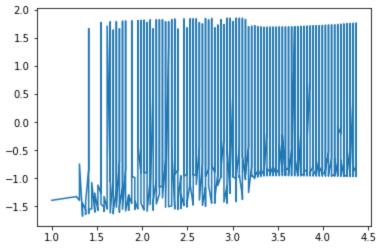
```
import matplotlib.pyplot as plt
In [7]:
         import math
         a = 1.0
        b = 3.0
        c = 1.0
        d = 5.0
        s = 4.0
        alf = -1.6
         r = 0.003
        eps = 0.01
        x = -0.7797753083855133
        y = 0.1963653397308617
        z = 0.43101317810390494
        x1 = 0
        y1 = 0
        z1 = 0
        ii = []
        xx = []
        def f1 (funx, funy, funz):
            return funy - a*funx*funx*funx + b*funx*funx - funz + par_i
        def f2(funx, funy, funz):
            return c - d*funx*funx - funy
        def f3(funx, funy, funz):
            return r*(s*(funx - alf) - funz)
         i_min = 1.0
         i_max = 4.4
        hi = (i_max - i_min)/100
        for ia in range(100):
            par_i = i_min + ia*hi
            for j in range(1, 400000):
                x1 = x + eps*f1(x,y,z)
                y1 = y + eps*f2(x,y,z)
                z1 = z + eps*f3(x,y,z)
                x=x1
                y=y1
                z=z1
                if j > 390000:
                     ii.append(par_i)
                     xx.append(x)
         plt.plot(ii, xx, '-')
         plt.show()
```



In [ ]:			