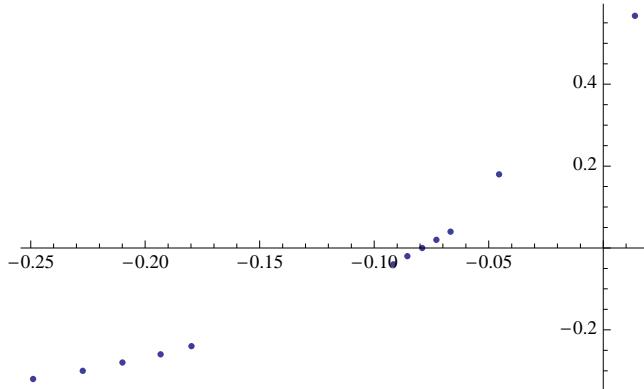


Delta

Tocka1 (x = -0.325)

```
In[1031]:= tocke1 = {{-0.24894, 0.34}, {-0.227272, 0.35}, {-0.209944, 0.36},  
{-0.193242, 0.37}, {-0.179798, 0.38}, {-0.0916223, 0.48},  
{-0.085503, 0.49}, {-0.0790764, 0.5}, {-0.0728524, 0.51},  
{-0.0666837, 0.52}, {-0.0454832, 0.59}, {0.0137923, 0.59}}  
Out[1031]= {{-0.24894, -0.32}, {-0.227272, -0.3}, {-0.209944, -0.28}, {-0.193242, -0.26},  
{-0.179798, -0.24}, {-0.0916223, -0.04}, {-0.085503, -0.02}, {-0.0790764, 0.},  
{-0.0728524, 0.02}, {-0.0666837, 0.04}, {-0.0454832, 0.18}, {0.0137923, 0.567273}}
```

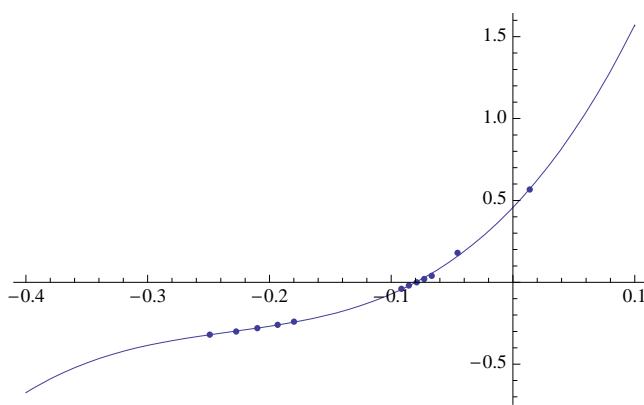
```
In[1032]:= ListPlot[tocke1]
```



```
In[1033]:= fit1 = FindFit[tocke1, d*x^3 + a*x^2 + b*x + c, {d, a, b, c}, x]
```

```
Out[1033]= {d → 42.0075, a → 29.2089, b → 7.78996, c → 0.456968}
```

```
In[1034]:= s1 = Show[ListPlot[tocke1], Plot[d*x^3 + a*x^2 + b*x + c /. fit1, {x, -0.4, 0.1}]]
```

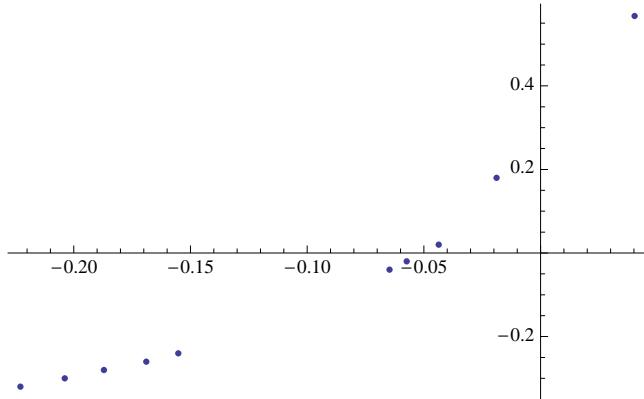


Tocka2 (x = -0.225)

```
In[1035]:= tocke2 =
  {{{-0.222873, 0.34/0.5 - 1}, {-0.203898, 0.35/0.5 - 1}, {-0.18708, 0.36/0.5 - 1}, {-0.16895, 0.37/0.5 - 1},
    {-0.155189, 0.38/0.5 - 1}, {-0.0646842, 0.48/0.5 - 1}, {-0.0573267, 0.49/0.5 - 1},
    {-0.0436538, 0.51/0.5 - 1}, {-0.0188846, 0.59/0.5 - 1}, {0.0402957, 0.59/0.37645 - 1}}}

Out[1035]= {{-0.222873, -0.32}, {-0.203898, -0.3}, {-0.18708, -0.28},
  {-0.16895, -0.26}, {-0.155189, -0.24}, {-0.0646842, -0.04}, {-0.0573267, -0.02},
  {-0.0436538, 0.02}, {-0.0188846, 0.18}, {0.0402957, 0.567273}}
```

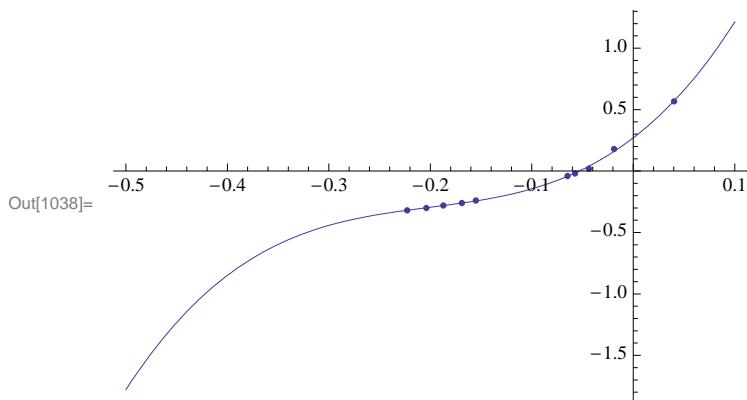
```
In[1036]:= ListPlot[tocke2]
```



```
In[1037]:= fit2 = FindFit[tocke2, d*x^3 + a*x^2 + b*x + c, {d, a, b, c}, x]
```

```
Out[1037]= {d → 43.7495, a → 26.3678, b → 6.34377, c → 0.269413}
```

```
In[1038]:= s2 = Show[ListPlot[tocke2], Plot[d*x^3 + a*x^2 + b*x + c /. fit2, {x, -0.5, 0.1}]]
```

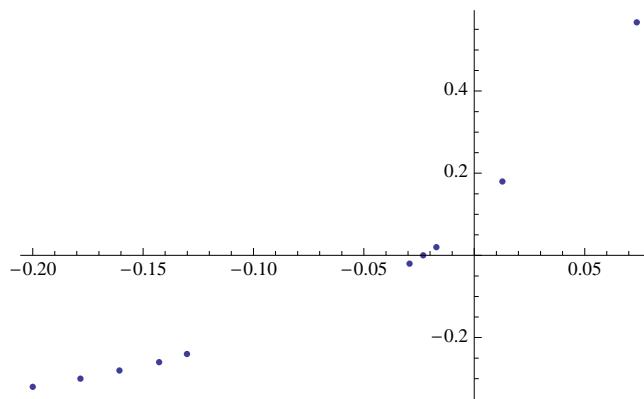


Tocka3 ($x = -0.125$)

```
In[1039]:= tocke3 = {{-0.199962, 0.34/0.5 - 1}, {-0.178369, 0.35/0.5 - 1}, {-0.160726, 0.36/0.5 - 1}, {-0.142697, 0.37/0.5 - 1}, {-0.130138, 0.38/0.5 - 1}, {-0.02933, 0.49/0.5 - 1}, {-0.0231574, 0.5/0.5 - 1}, {-0.0171627, 0.51/0.5 - 1}, {0.0127393, 0.59/0.5 - 1}, {0.0736125, 0.59/0.37645 - 1}}
```

```
Out[1039]= {{-0.199962, -0.32}, {-0.178369, -0.3}, {-0.160726, -0.28}, {-0.142697, -0.26}, {-0.130138, -0.24}, {-0.02933, -0.02}, {-0.0231574, 0.}, {-0.0171627, 0.02}, {0.0127393, 0.18}, {0.0736125, 0.567273}}
```

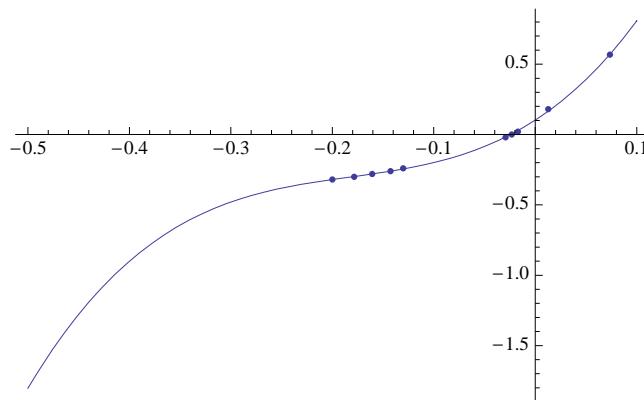
```
In[1040]:= ListPlot[tocke3]
```



```
In[1041]:= fit3 = FindFit[tocke3, d*x^3 + a*x^2 + b*x + c, {d, a, b, c}, x]
```

```
Out[1041]= {d → 36.897, a → 20.1586, b → 4.66747, c → 0.102508}
```

```
In[1042]:= s3 = Show[ListPlot[tocke3], Plot[d*x^3 + a*x^2 + b*x + c /. fit3, {x, -0.5, 0.1}], PlotRange → All]
```

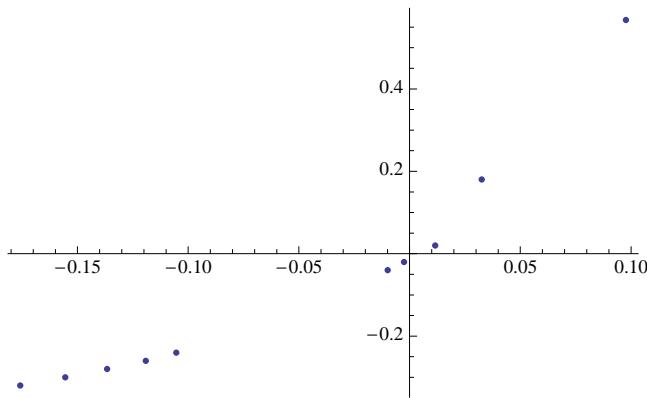


Tocka4 ($x = -0.025$)

```
In[1043]:= tocke4 =
  {{-0.175867, 0.34/0.5 - 1}, {-0.155509, 0.35/0.5 - 1}, {-0.1366, 0.36/0.5 - 1}, {-0.119141, 0.37/0.5 - 1},
   {-0.10541, 0.38/0.5 - 1}, {-0.00992469, 0.48/0.5 - 1}, {-0.00253436, 0.49/0.5 - 1},
   {0.011572, 0.51/0.5 - 1}, {0.0325455, 0.59/0.5 - 1}, {0.0976977, 0.59/0.37645 - 1}}
```

```
Out[1043]= {{-0.175867, -0.32}, {-0.155509, -0.3}, {-0.1366, -0.28}, {-0.119141, -0.26}, {-0.10541, -0.24}, {-0.00992469, -0.04}, {-0.00253436, -0.02}, {0.011572, 0.02}, {0.0325455, 0.18}, {0.0976977, 0.567273}}
```

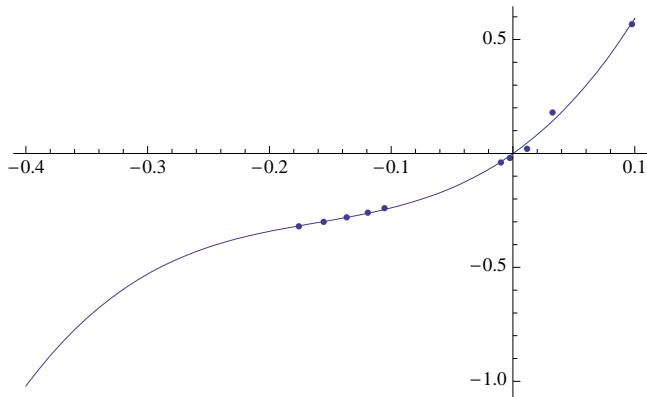
```
In[1044]:= ListPlot[tocke4]
```



```
In[1045]:= fit4 = FindFit[tocke4, d*x^3 + a*x^2 + b*x + c, {d, a, b, c}, x]
```

```
Out[1045]= {d → 36.6171, a → 17.7477, b → 3.7894, c → -0.00098811}
```

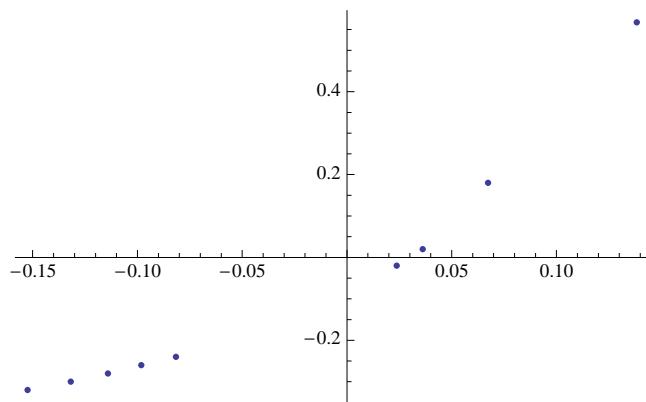
```
In[1046]:= s4 = Show[ListPlot[tocke4],
  Plot[d*x^3 + a*x^2 + b*x + c /. fit4, {x, -0.4, 0.1}], PlotRange → All]
```



Tocka5 ($x = 0.075$)

```
In[1047]:= tocke5 = {{-0.152423, 0.34/0.5 - 1}, {-0.131847, 0.35/0.5 - 1}, {-0.114035, 0.36/0.5 - 1}, {-0.0981261, 0.37/0.5 - 1}, {-0.0815955, 0.38/0.5 - 1}, {0.0237111, 0.49/0.5 - 1}, {0.036113, 0.51/0.5 - 1}, {0.0673714, 0.59/0.5 - 1}, {0.138287, 0.59/0.37645 - 1}};
Out[1047]= {{-0.152423, -0.32}, {-0.131847, -0.3}, {-0.114035, -0.28}, {-0.0981261, -0.26}, {-0.0815955, -0.24}, {0.0237111, -0.02}, {0.036113, 0.02}, {0.0673714, 0.18}, {0.138287, 0.567273}}
```

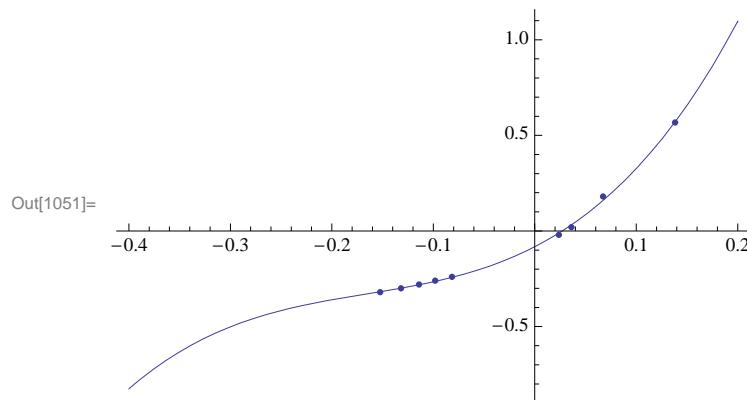
```
In[1048]:= ListPlot[tocke5]
```



```
In[1049]:= fit5 = FindFit[tocke5, d*x^3 + a*x^2 + b*x + c, {d, a, b, c}, x]
```

```
Out[1049]= {d → 22.6914, a → 11.2636, b → 2.7327, c → -0.0824587}
```

```
In[1051]:= s5 = Show[ListPlot[tocke5],
  Plot[d*x^3 + a*x^2 + b*x + c /. fit5, {x, -0.4, 0.2}], PlotRange → All]
```

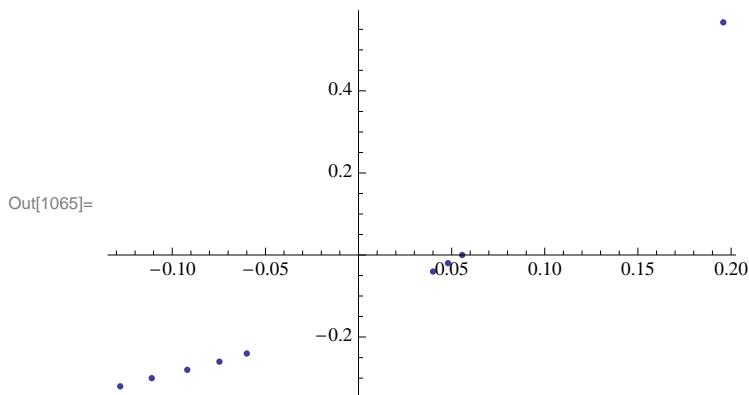


Tocka6 ($x = 0.175$)

```
In[1064]:= tocke6 = {{-0.127956, 0.34/0.5 - 1}, {-0.111014, 0.35/0.5 - 1}, {-0.0919486, 0.36/0.5 - 1}, {-0.0746568, 0.37/0.5 - 1}, {-0.0599823, 0.38/0.5 - 1}, {0.0400255, 0.48/0.5 - 1}, {0.0480319, 0.49/0.5 - 1}, {0.0556724, 0.5/0.5 - 1}, {0.195866, 0.59/0.37645 - 1}}
```

```
Out[1064]= {{-0.127956, -0.32}, {-0.111014, -0.3}, {-0.0919486, -0.28}, {-0.0746568, -0.26}, {-0.0599823, -0.24}, {0.0400255, -0.04}, {0.0480319, -0.02}, {0.0556724, 0.}, {0.195866, 0.567273}}
```

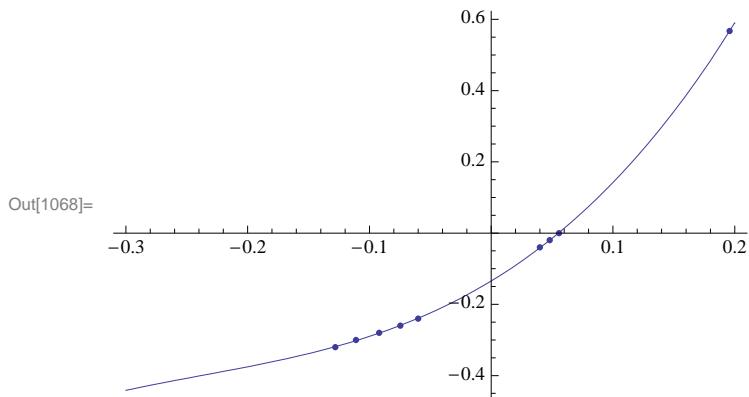
```
In[1065]:= ListPlot[tocke6]
```



```
In[1066]:= fit6 = FindFit[tocke6, d*x^3 + a*x^2 + b*x + c, {d, a, b, c}, x]
```

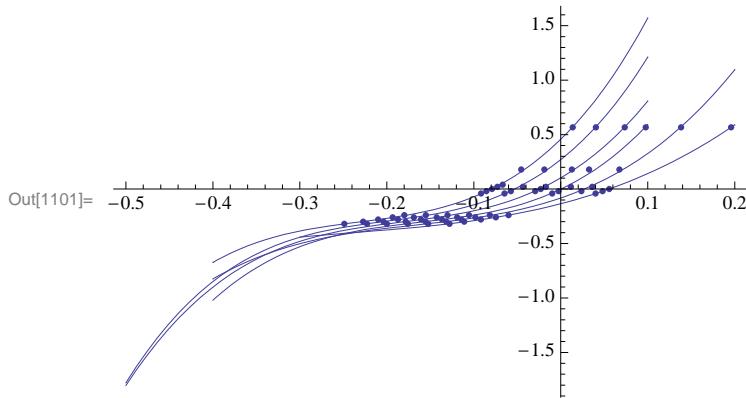
```
Out[1066]= {d → 8.47952, a → 6.04614, b → 2.07379, c → -0.134584}
```

```
In[1068]:= s6 = Show[ListPlot[tocke6], Plot[d*x^3 + a*x^2 + b*x + c /. fit6, {x, -0.3, 0.2}], PlotRange → All]
```



Final Results

```
In[1101]:= Show[s1, s2, s3, s4, s5, s6, PlotRange -> All]
```

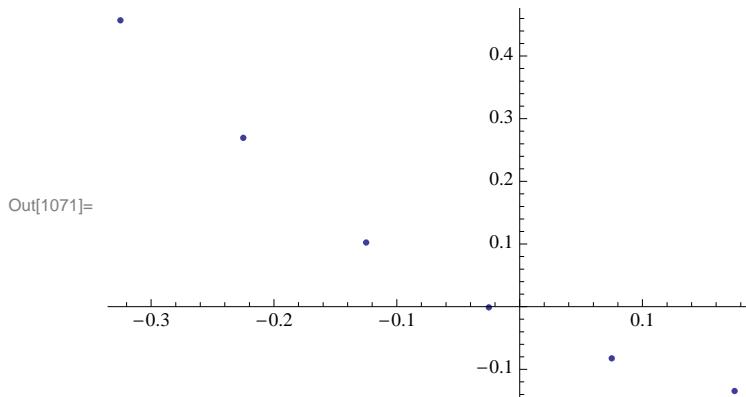


C - Dependence

```
In[1070]:= tockeC = {{-0.325, c /. fit1}, {-0.225, c /. fit2},
{-0.125, c /. fit3}, {-0.025, c /. fit4}, {0.075, c /. fit5}, {0.175, c /. fit6}}
```

```
Out[1070]= {{-0.325, 0.456968}, {-0.225, 0.269413}, {-0.125, 0.102508},
{-0.025, -0.00098811}, {0.075, -0.0824587}, {0.175, -0.134584}}
```

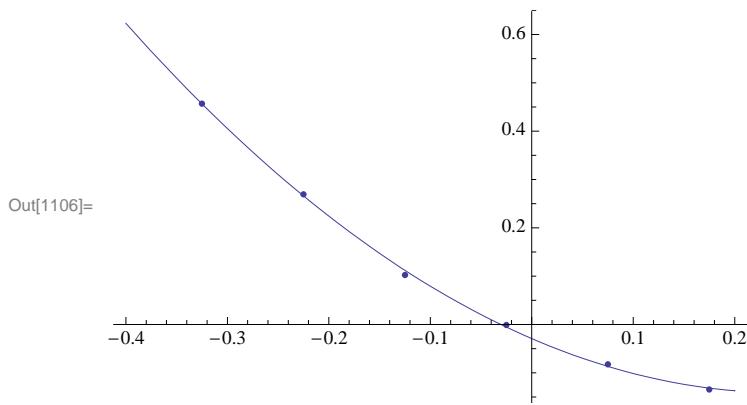
```
In[1071]:= ListPlot[tockeC]
```



```
In[1105]:= fitC = FindFit[tockeC, 0*x^3 + d*x^2 + f*x + g, {d, f, g, h}, x]
```

```
Out[1105]= {d -> 1.81944, f -> -0.903333, g -> -0.0292416, h -> 0.}
```

```
In[1106]:= Show[ListPlot[tockeC], Plot[h*x^3 + d*x^2 + f*x + g /. fitC, {x, -0.4, 0.2}]]
```

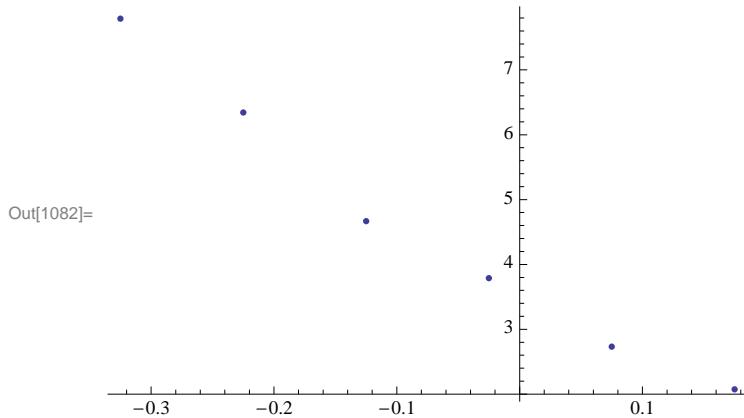


B - Dependence

```
In[1081]:= tockeB = {{-0.325, b /. fit1}, {-0.225, b /. fit2},
{-0.125, b /. fit3}, {-0.025, b /. fit4}, {0.075, b /. fit5}, {0.175, b /. fit6}}
```

```
Out[1081]= {{-0.325, 7.78996}, {-0.225, 6.34377}, {-0.125, 4.66747},
{-0.025, 3.7894}, {0.075, 2.7327}, {0.175, 2.07379}}
```

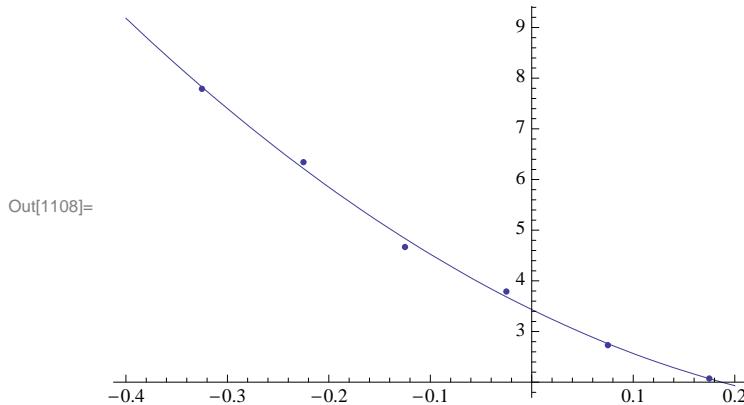
```
In[1082]:= ListPlot[tockeB]
```



```
In[1107]:= fitB = FindFit[tockeB, d*x^2 + f*x + g, {d, f, g}, x]
```

```
Out[1107]= {d → 11.455, f → -9.79378, g → 3.43311}
```

```
In[1108]:= Show[ListPlot[tockeB], Plot[d*x^2 + f*x + g /. fitB, {x, -0.4, 0.2}]]
```

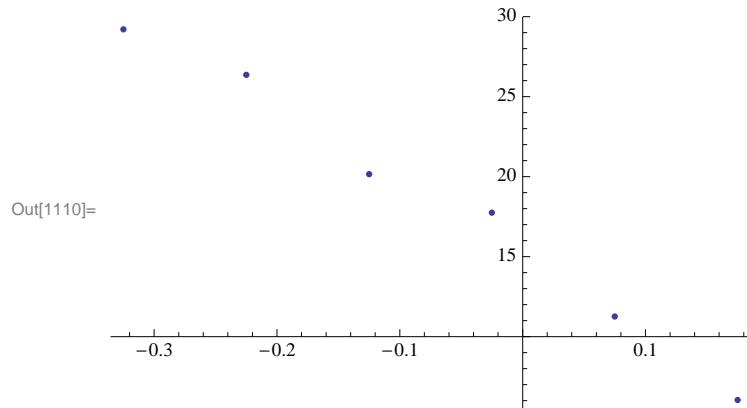


A - Dependence

```
In[1109]:= tockeA = {{-0.325, a /. fit1}, {-0.225, a /. fit2},
{-0.125, a /. fit3}, {-0.025, a /. fit4}, {0.075, a /. fit5}, {0.175, a /. fit6}}
```

```
Out[1109]= {{-0.325, 29.2089}, {-0.225, 26.3678}, {-0.125, 20.1586},
{-0.025, 17.7477}, {0.075, 11.2636}, {0.175, 6.04614}}
```

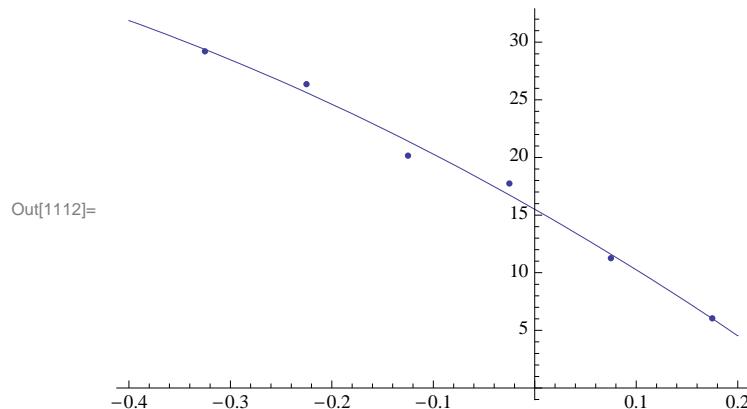
```
In[1110]:= ListPlot[tockeA]
```



```
In[1111]:= fitA = FindFit[tockeA, d*x^2 + f*x + g, {d, f, g}, x]
```

```
Out[1111]= {d → -23.1811, f → -50.2021, g → 15.5068}
```

```
In[1112]:= Show[ListPlot[tockeA], Plot[d*x^2 + f*x + g /. fitA, {x, -0.4, 0.2}]]
```

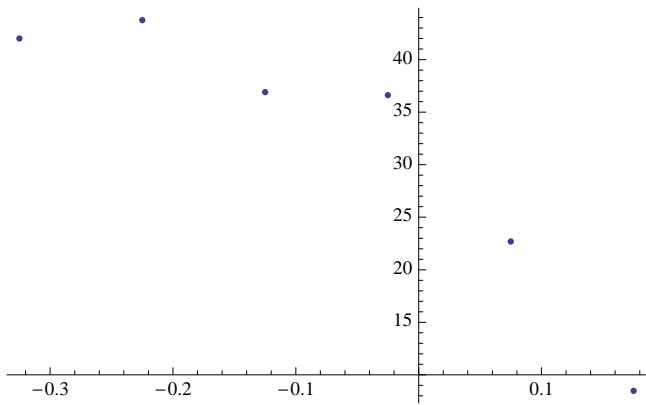


D - Dependence

```
In[1113]:= tockeD = {{-0.325, d /. fit1}, {-0.225, d /. fit2},
{-0.125, d /. fit3}, {-0.025, d /. fit4}, {0.075, d /. fit5}, {0.175, d /. fit6}}
```

```
Out[1113]= {{-0.325, 42.0075}, {-0.225, 43.7495}, {-0.125, 36.897},
{-0.025, 36.6171}, {0.075, 22.6914}, {0.175, 8.47952}}
```

```
In[1114]:= ListPlot[tockeD]
```



```
In[1115]:= fitD = FindFit[tockeD, 0*x^2 + f*x + g, {d, f, g}, x]
```

$$\text{Out[1115]}= \left\{ d \rightarrow -6.95758 \times 10^{-15}, f \rightarrow -66.0269, g \rightarrow 26.7883 \right\}$$

```
In[1116]:= Show[ListPlot[tockeD], Plot[d*x^2 + f*x + g /. fitD, {x, -0.4, 0.2}]]
```

