```
In[1]:= A = ReadList["C:\\Users\\Drugge\\OneDrive\\SOFT\\Matematica\\cdlaupa.txt",
        Number, RecordLists → True]
    cw = Interpolation[A, InterpolationOrder → 1]
    vljud = 340.3
    ρ = 1.293
    k2 = ρ * 9.81 / 101 325
    ro[x_] = ρ * ℯ^ (-k2 * x)
    k1 = 1.490561683 * 10^-3
    v0 = 830
    α = 34.7 * Pi / 180
    s = NDSolve[{x''[t] == -k1 * ro[y[t]] * cw[Sqrt[x'[t]^2 + y'[t]^2] / vljud] *
            (x'[t]^2 + y'[t]^2) * Cos[ArcTan[y'[t] / x'[t]]],
        y''[t] == -k1 * ro[y[t]] * cw[Sqrt[x'[t]^2 + y'[t]^2] / vljud] *
            (x'[t]^2 + y'[t]^2) * Sin[ArcTan[y'[t] / x'[t]]] - 9.81,
        x'[0] == v0 * Cos[α], x[0] == 0, y'[0] == v0 * Sin[α], y[0] == 0}, {x, y}, {t, 40}]
    ParametricPlot[Evaluate[{x[t], y[t]} /. s], {t, 0, 37}, PlotRange → Automatic]
```

Out[1]= {{0, 0.23}, {0.4, 0.229}, {0.5, 0.2}, {0.6, 0.171}, {0.7, 0.164}, {0.8, 0.144},
    {0.825, 0.141}, {0.85, 0.137}, {0.875, 0.137}, {0.9, 0.142}, {0.925, 0.154},
    {0.95, 0.177}, {0.975, 0.236}, {1, 0.306}, {1.025, 0.334}, {1.05, 0.341},
    {1.075, 0.345}, {1.1, 0.347}, {1.15, 0.348}, {1.2, 0.348}, {1.3, 0.343}, {1.4, 0.336},
    {1.5, 0.328}, {1.6, 0.321}, {1.8, 0.304}, {2, 0.292}, {2.2, 0.282}, {2.4, 0.27}}

Out[2]= InterpolatingFunction[⊞ 〰 Domain: {{0., 2.4}}
                                      Output: scalar]

Out[3]= 340.3

Out[4]= 1.293

Out[5]= 0.000125185

Out[6]= $1.293 \, ℯ^{-0.000125185 \, x}$

Out[7]= 0.00149056

Out[8]= 830

Out[9]= 0.605629

⋯ InterpolatingFunction: Input value {2.43902} lies outside the range of data in the interpolating function. Extrapolation will
    be used.

⋯ InterpolatingFunction: Input value {2.43902} lies outside the range of data in the interpolating function. Extrapolation will
    be used.

⋯ InterpolatingFunction: Input value {2.43902} lies outside the range of data in the interpolating function. Extrapolation will
    be used.

⋯ General: Further output of InterpolatingFunction::dmval will be suppressed during this calculation.

Out[10]= $\Big\{\Big\{x \rightarrow$ InterpolatingFunction$\Big[$ ⊞ 📈 Domain: {{0., 40.}} Output: scalar $\Big]$,

$y \rightarrow$ InterpolatingFunction$\Big[$ ⊞ 📈 Domain: {{0., 40.}} Output: scalar $\Big]\Big\}\Big\}$

Out[11]=