Lecture 2

```
Pontius data parameters for 2nd degree polynomium using LU:     Vector 3D:
    0.000673566    7.32059e-07   -3.16082e-15
Variance of estimated parameters:       MatrixDiag 3x3:
       0.276754     5.91631e-13     5.62574e-26

Pontius data parameters for 2nd degree polynomium using Cholesky:       Vector 3D:
    0.000673566    7.32059e-07   -3.16082e-15
Variance:       MatrixDiag 3x3:
       0.276754     5.91631e-13     5.62574e-26


Filip parameters for 10th degree polynomium using LU:   Vector 11D:
        -62.682       -120.279       -96.8015       -43.106       -11.4683       -1.79618       -0.13739     0.00177994     0.00128404    9.84828e-05    2.57755e-06
Variance of estimated parameters:       MatrixDiag 11x11:
    4.91822e+08     1.24616e+09      5.7914e+08     8.27761e+07     4.15688e+06          65355         27.2712        -1.26115       0.0341965     0.000163007     9.24963e-08

Filip solution using Cholesky:
ERROR: Cholesky failed
```