

Aggregation for purpose of analysis and plotting:

Error criterion: norm of weighted sum   
(weights are 1 for all components except for glycerine, where weight is set to 0)

– experimentally measured concentrations of each of 6 components at time   
 – solution of the kinetics model at time

1. L2 error
2. L0.5 error
3. Logarithmic error (for either L2 or L0.5)

Fit kinetics model

Optimizer

Is fit good enough?

Solve system of ODE

Check fit of a model

Normalized data

, ,

Start

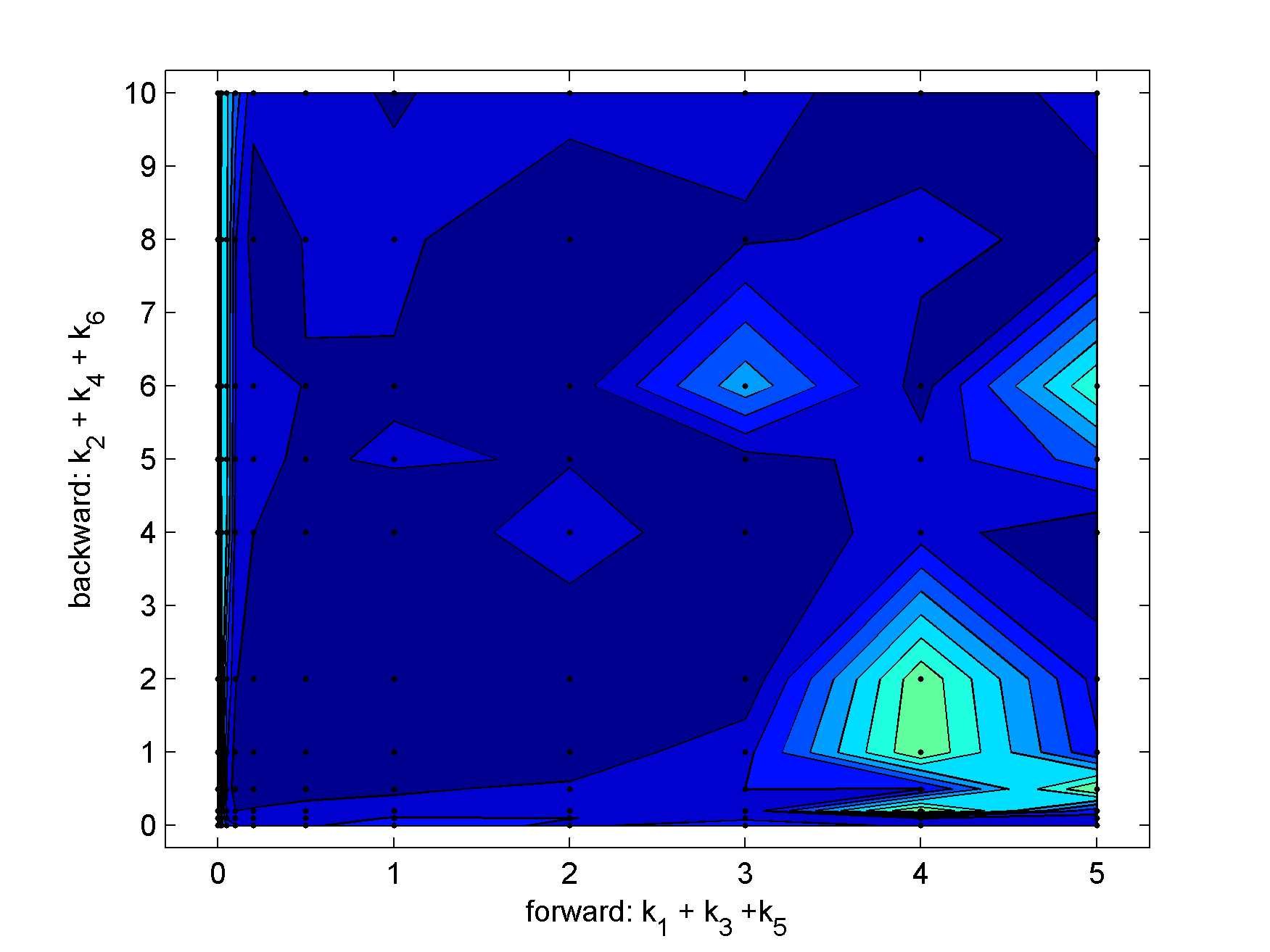
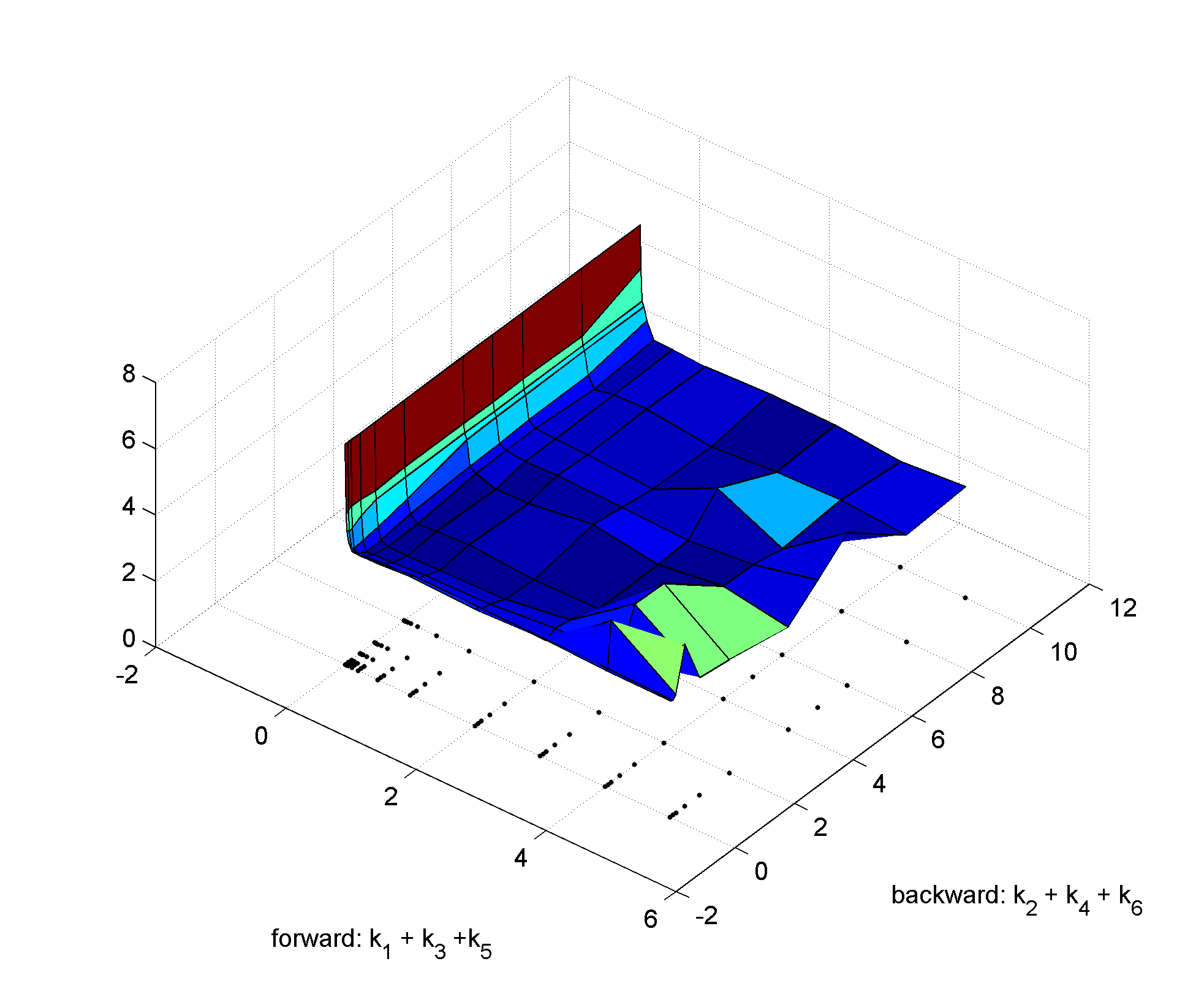
, ,

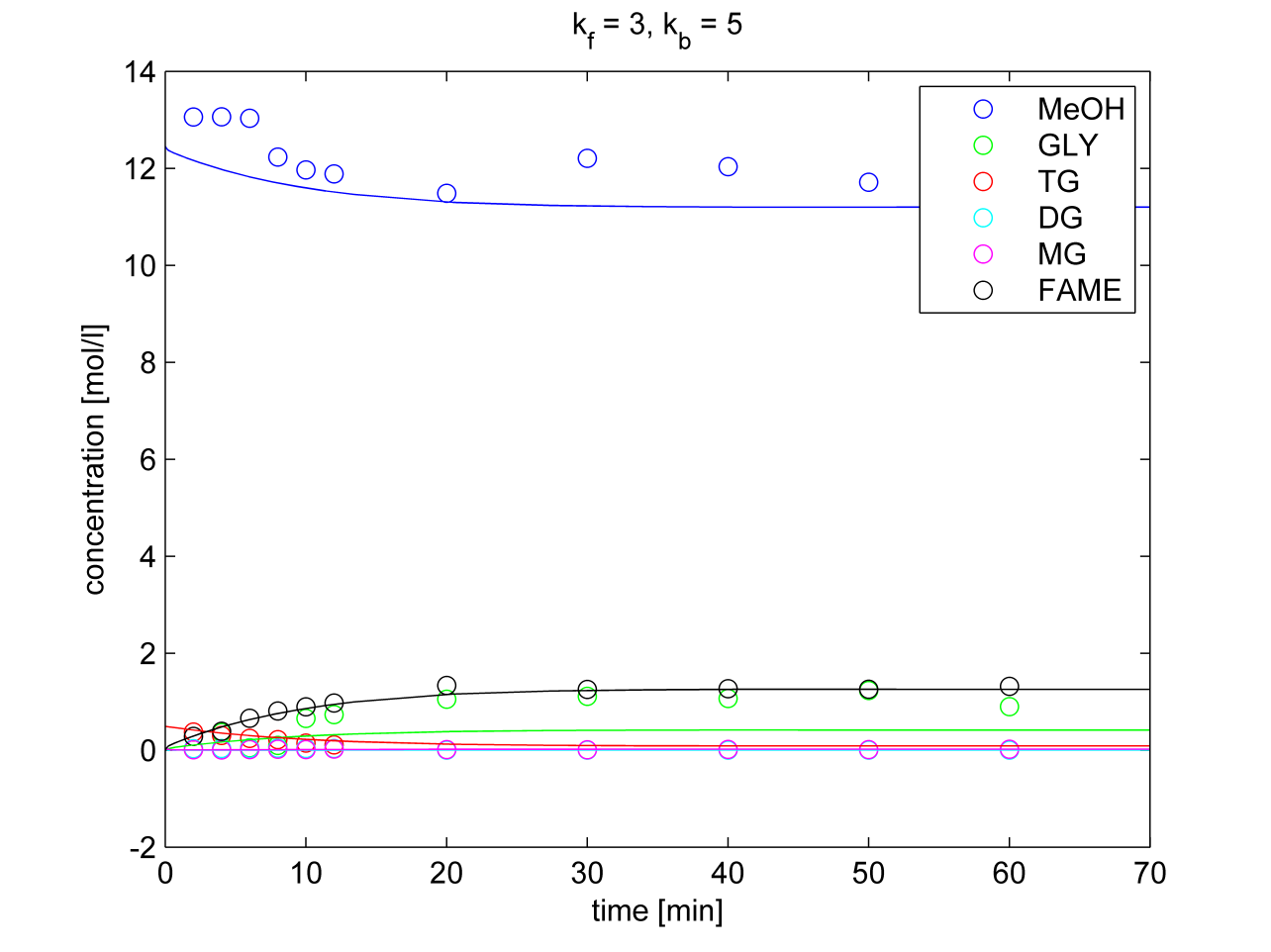
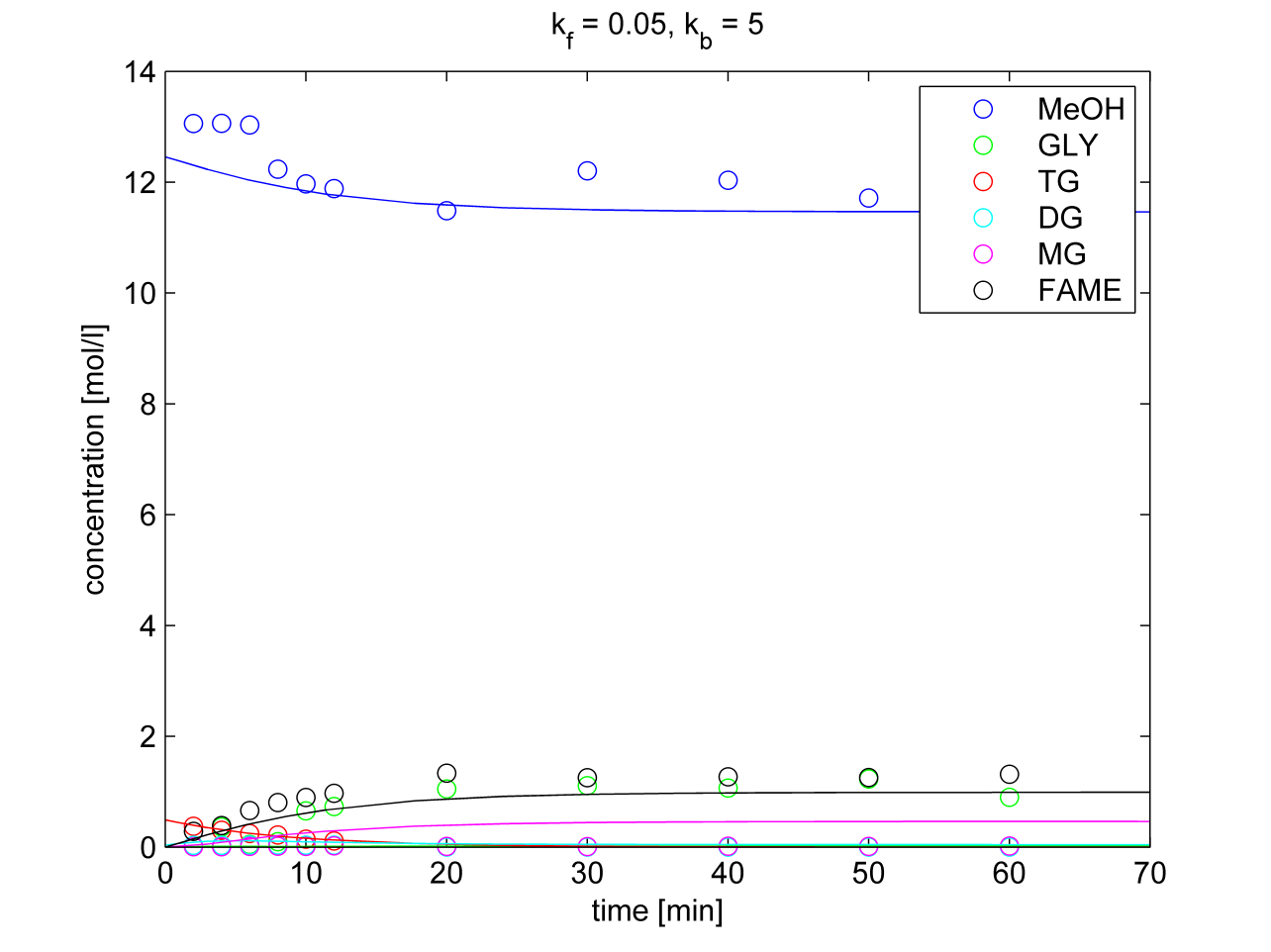
no

yes

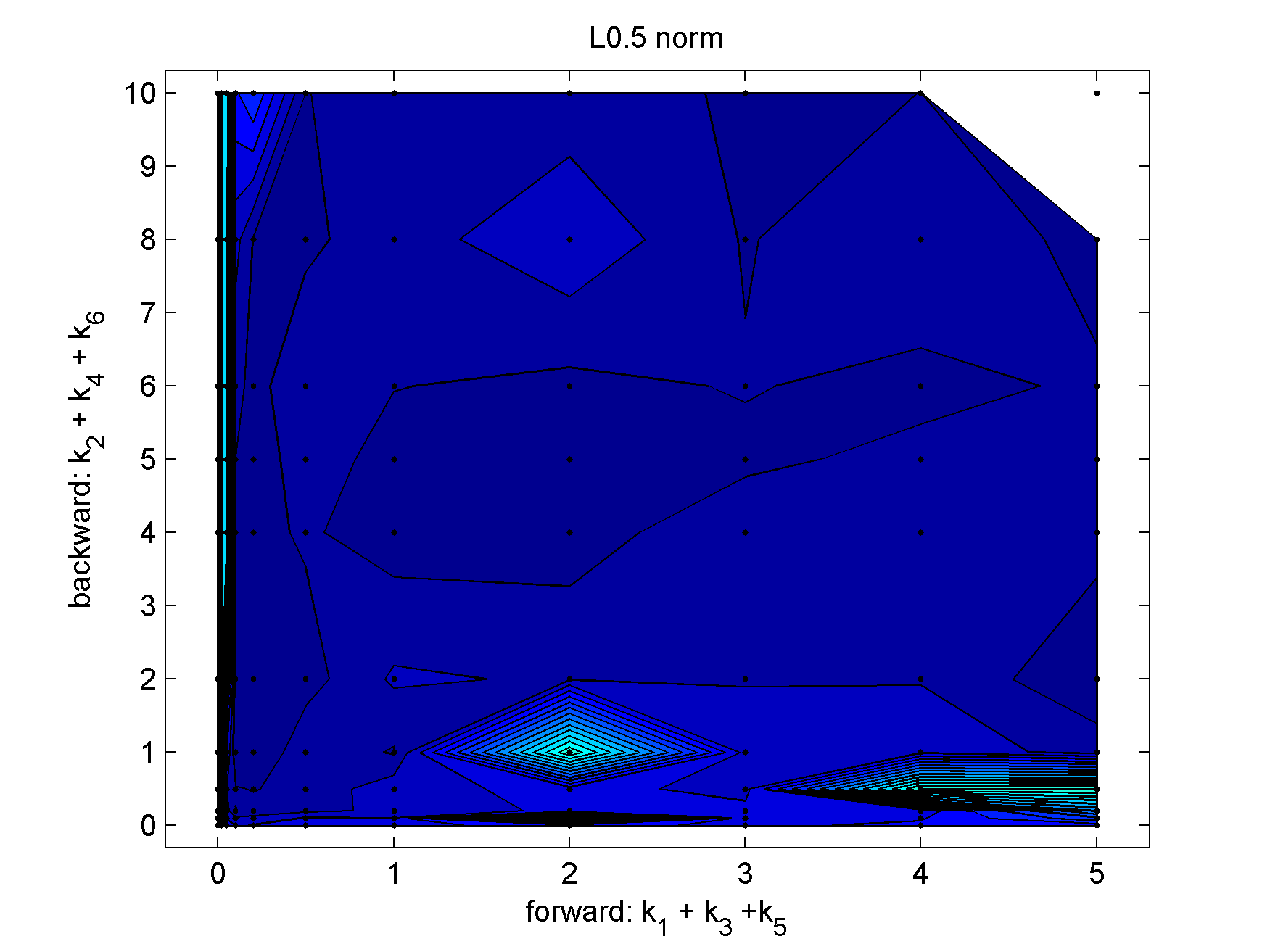
initial codition

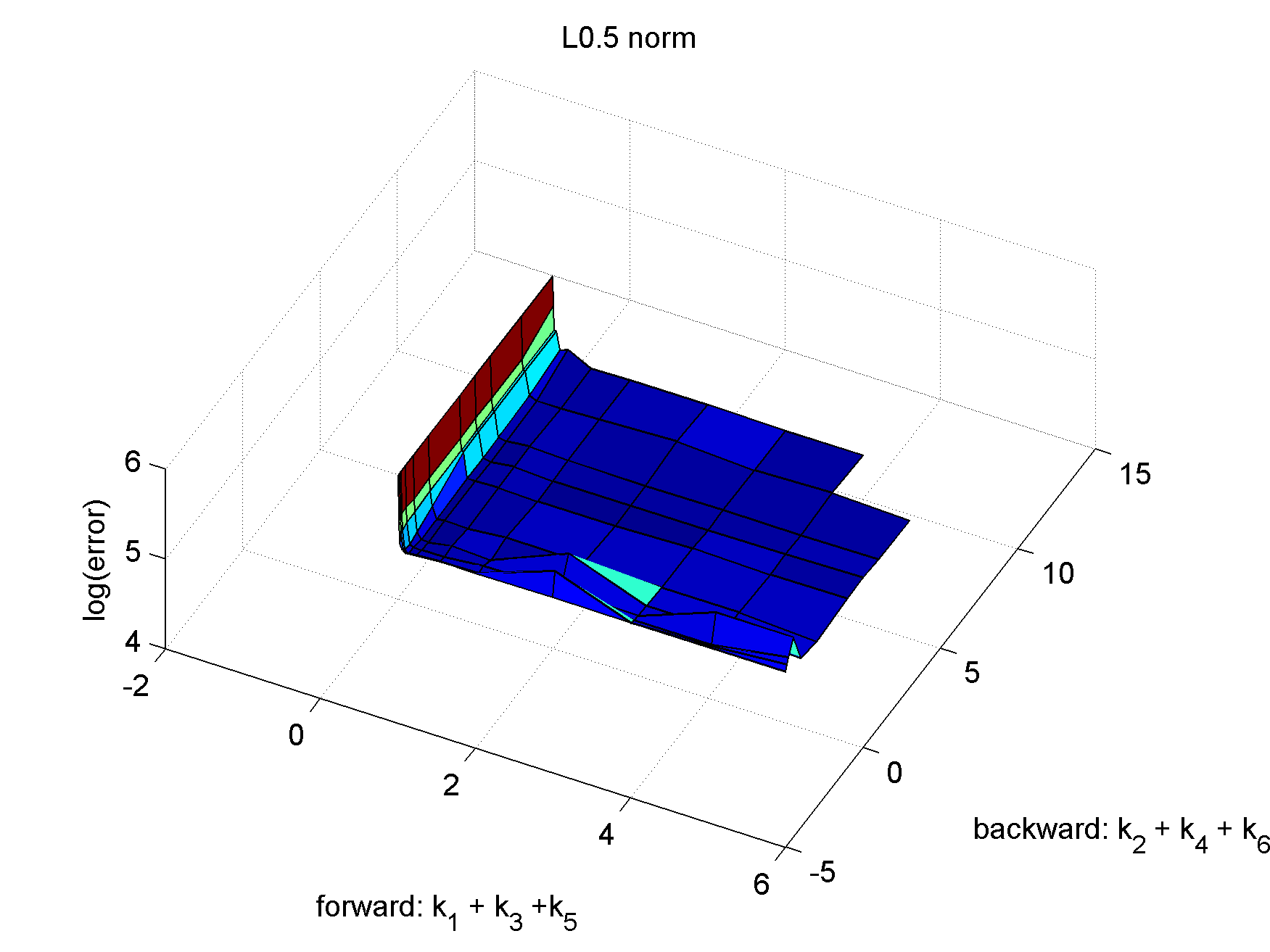
measurements

Landscape of objective function with **norm L2**



**Norm L0.5**





**Norms of logarithms**  
