Day 3

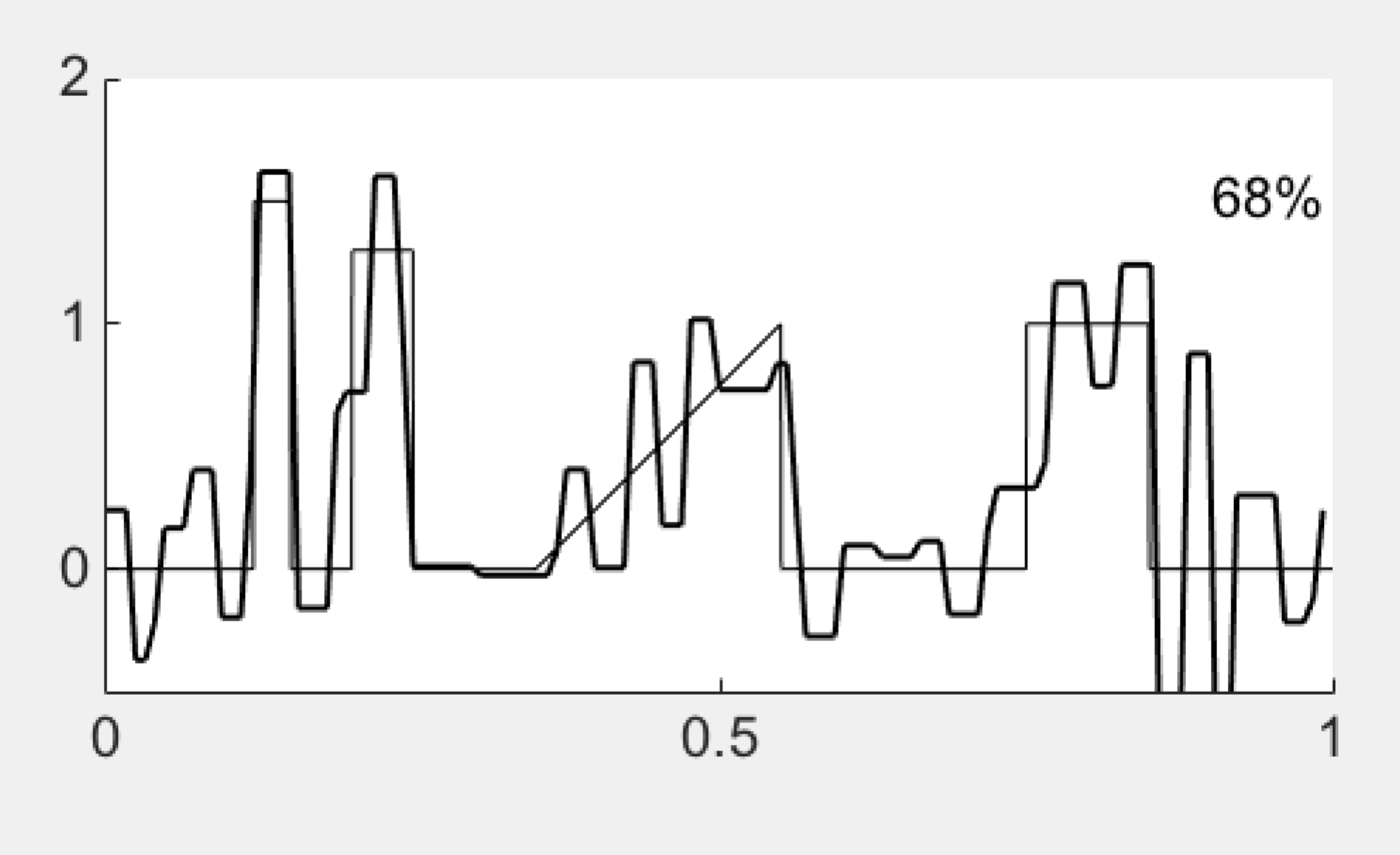
Conclusion:

The higher noise, the less accurate the solution.

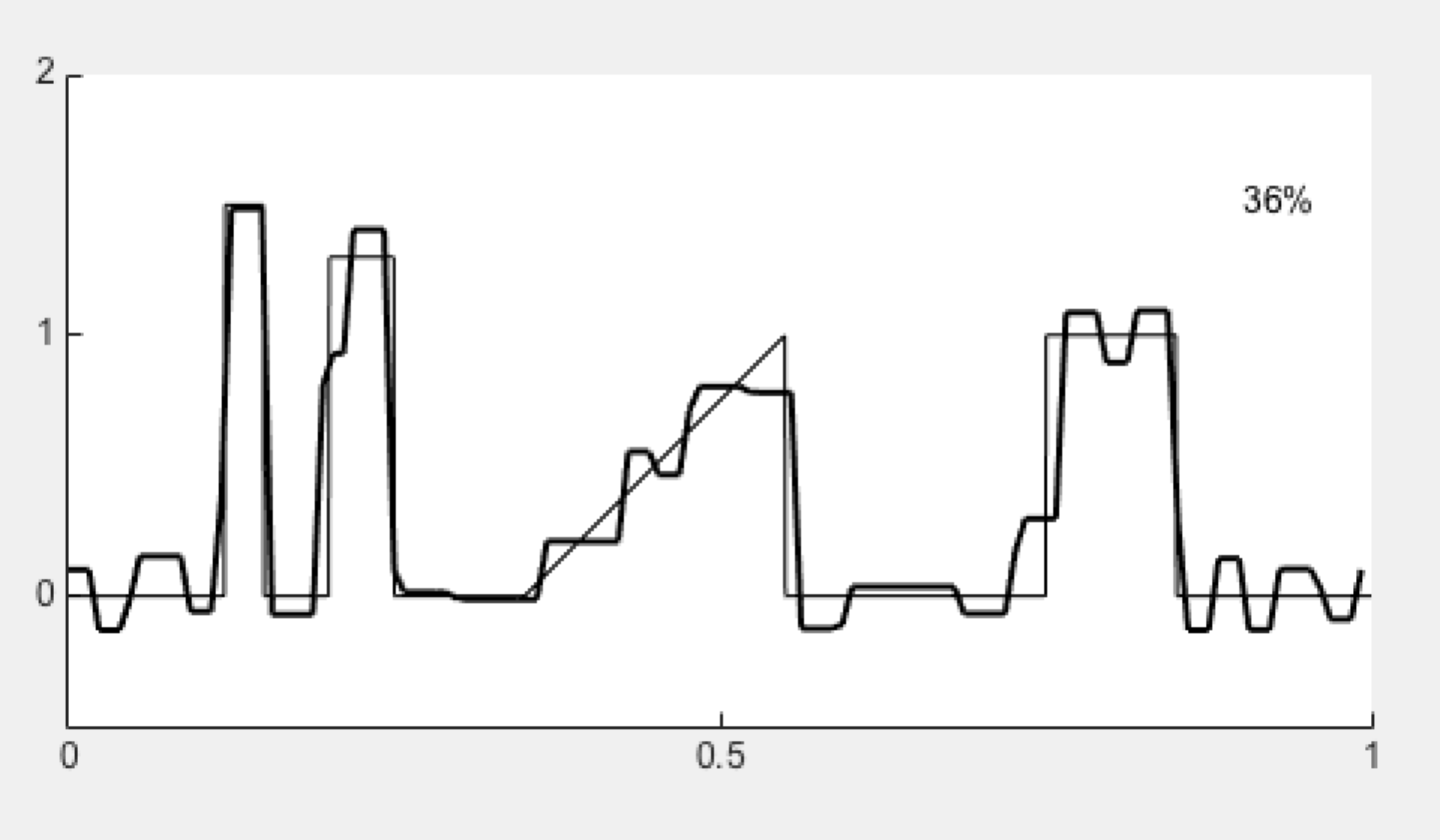
Each noise level has a different optimal-.

Plot:

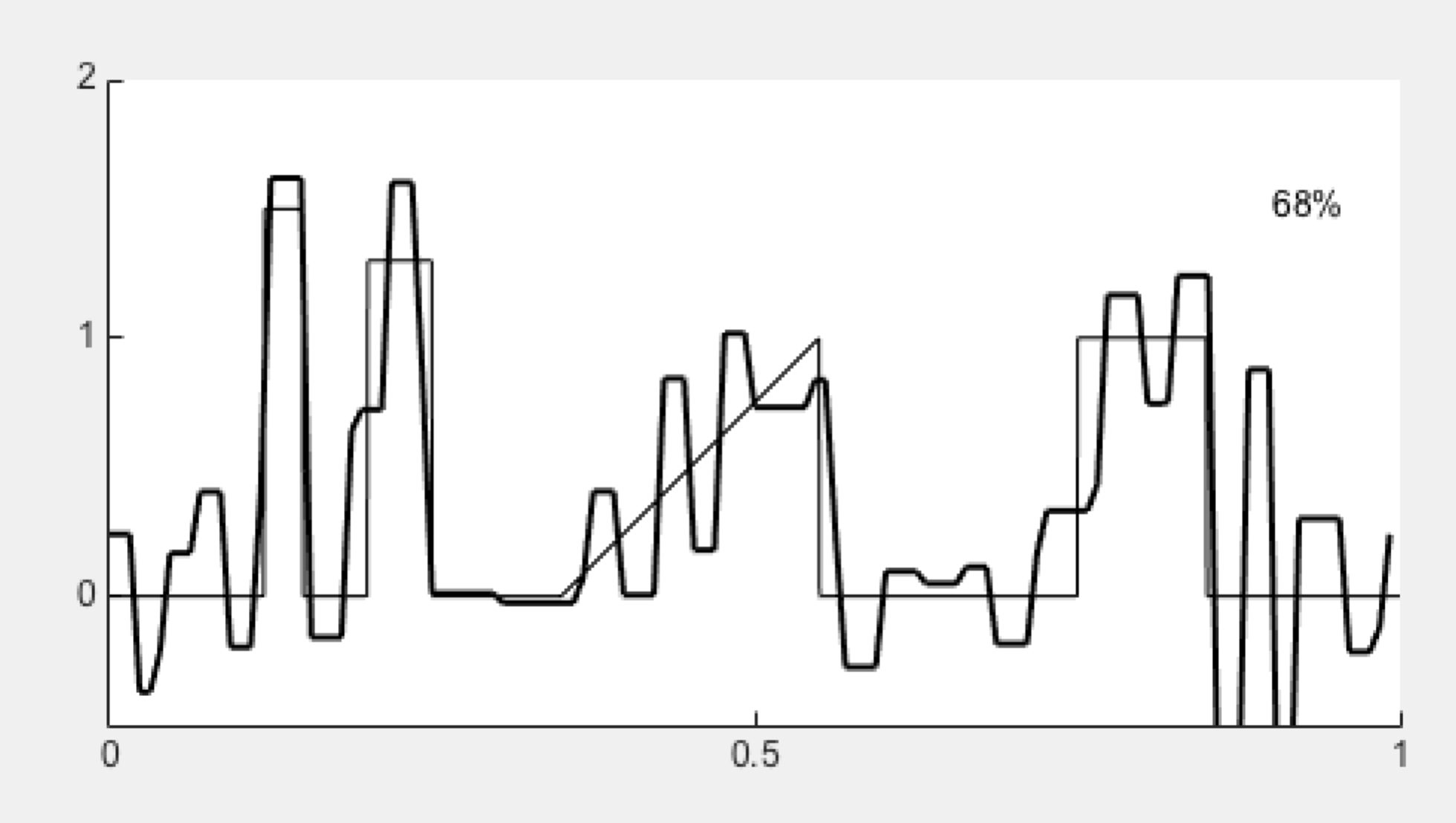
With = 0.01;



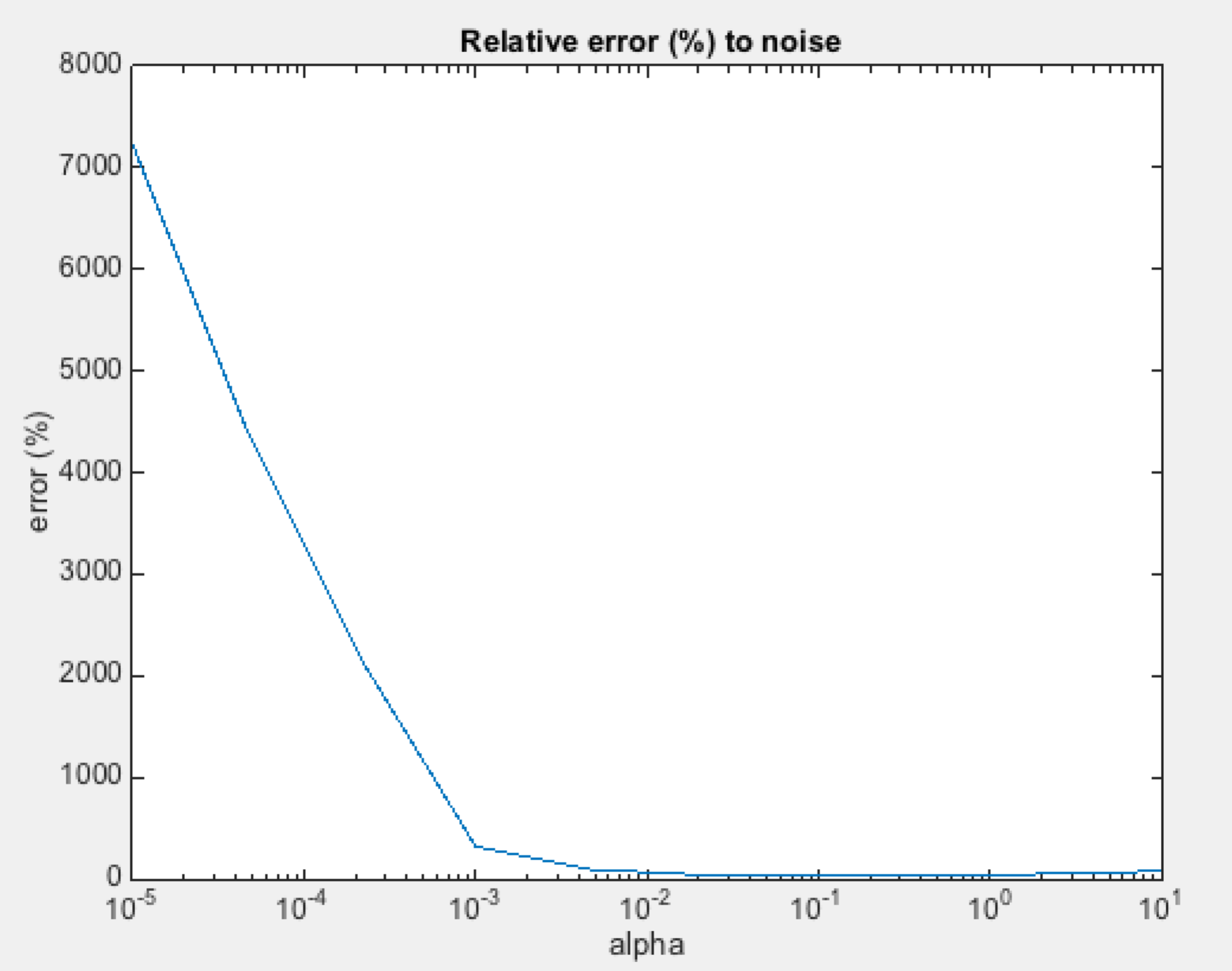
;



;



Relation of alpha and error,



Optimal alpha is around 0.01