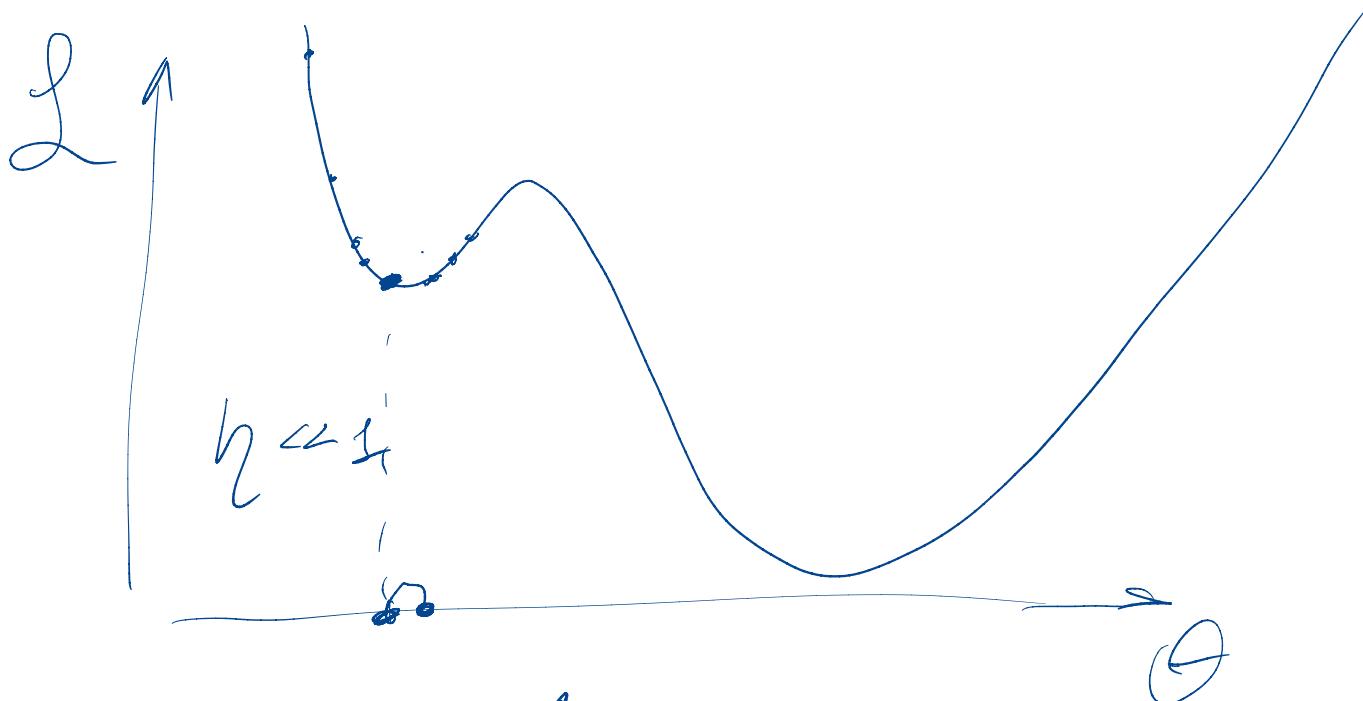


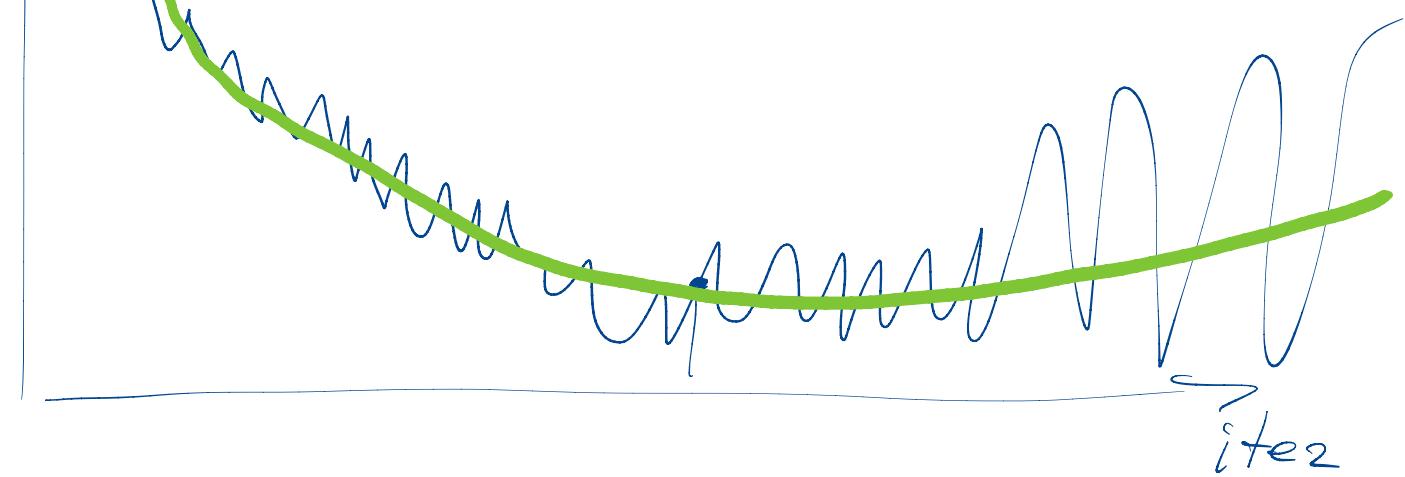
Наша цель в задаче наименьших квадратов:

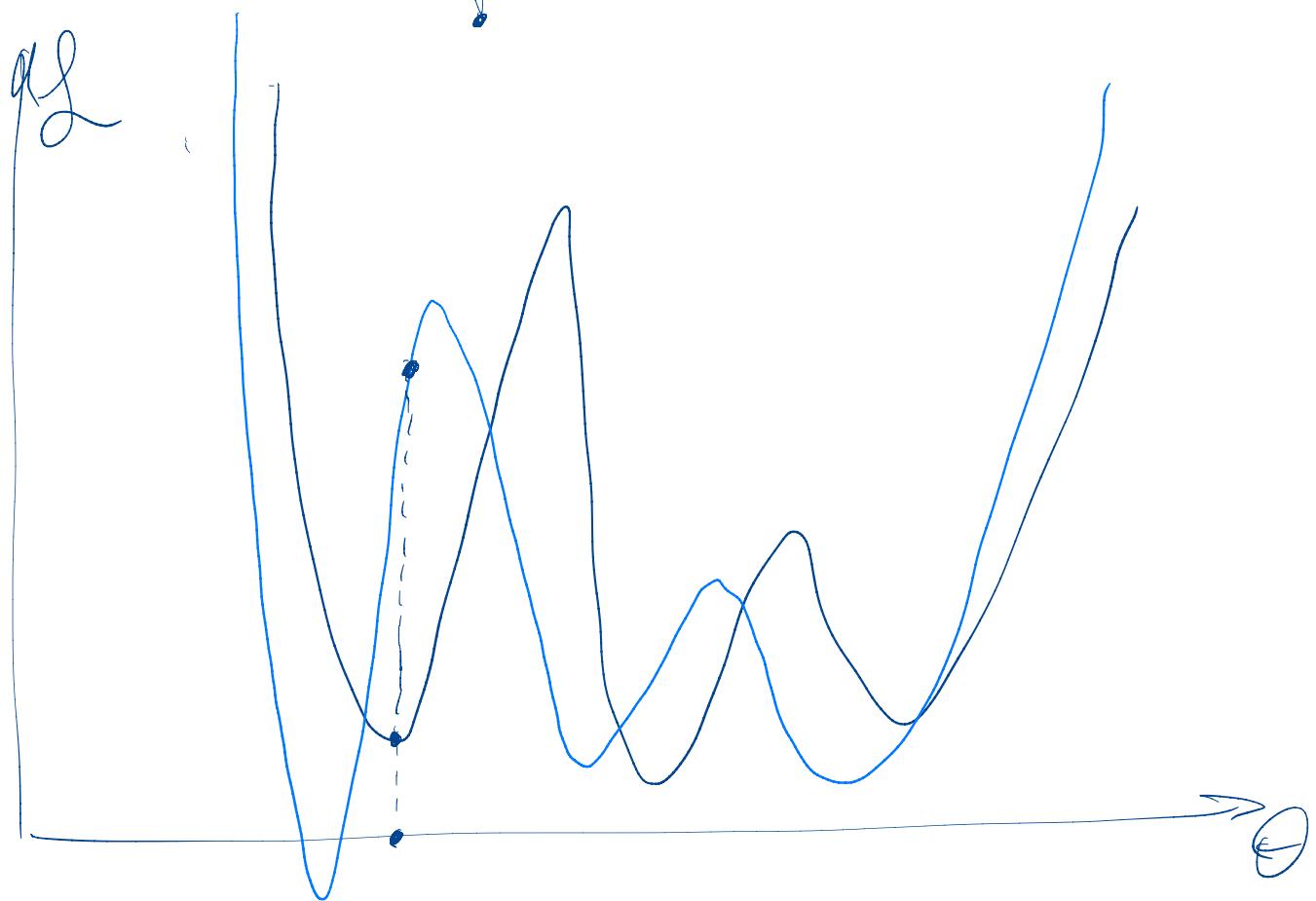
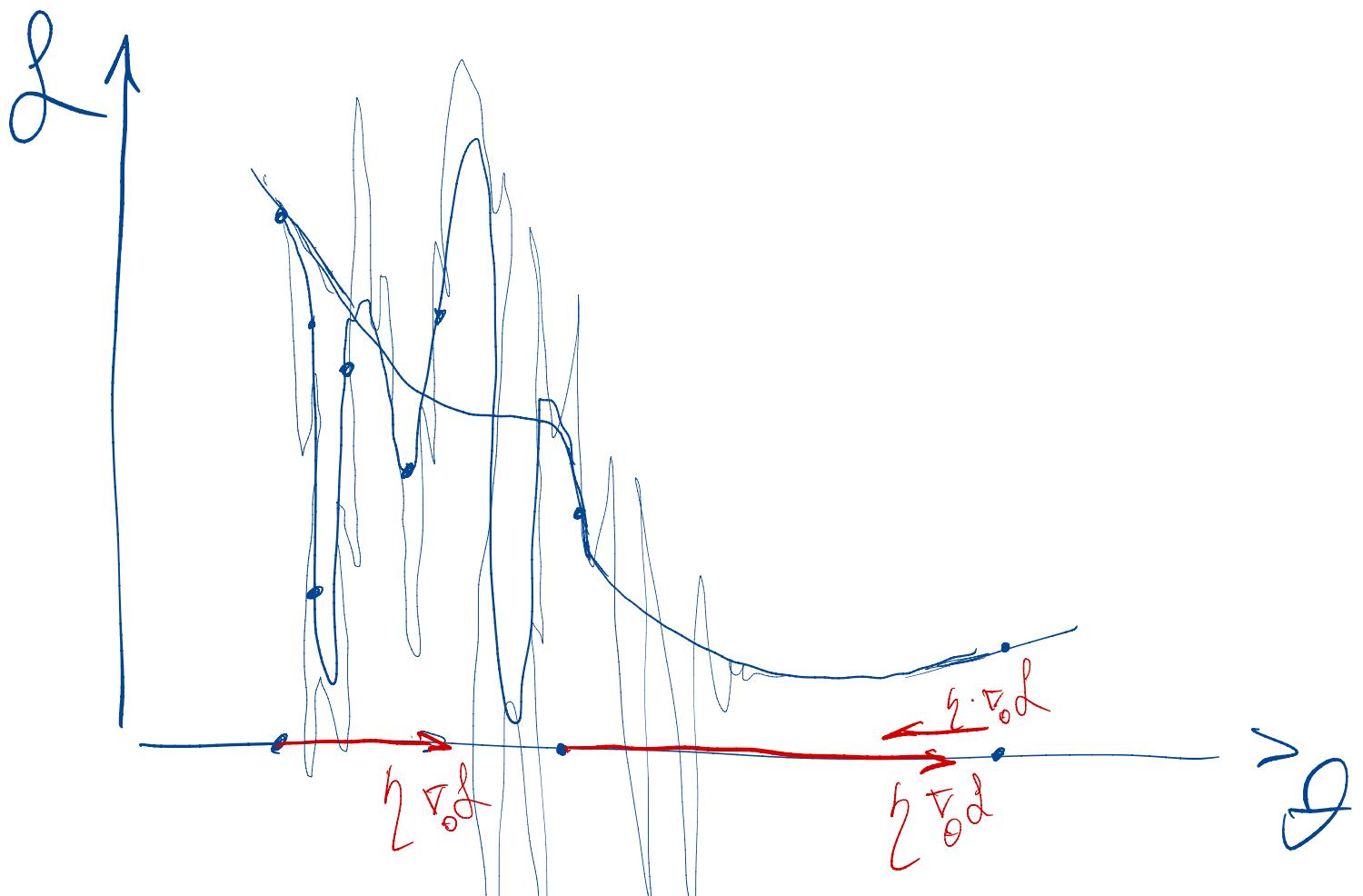
① Уменьшить остаток



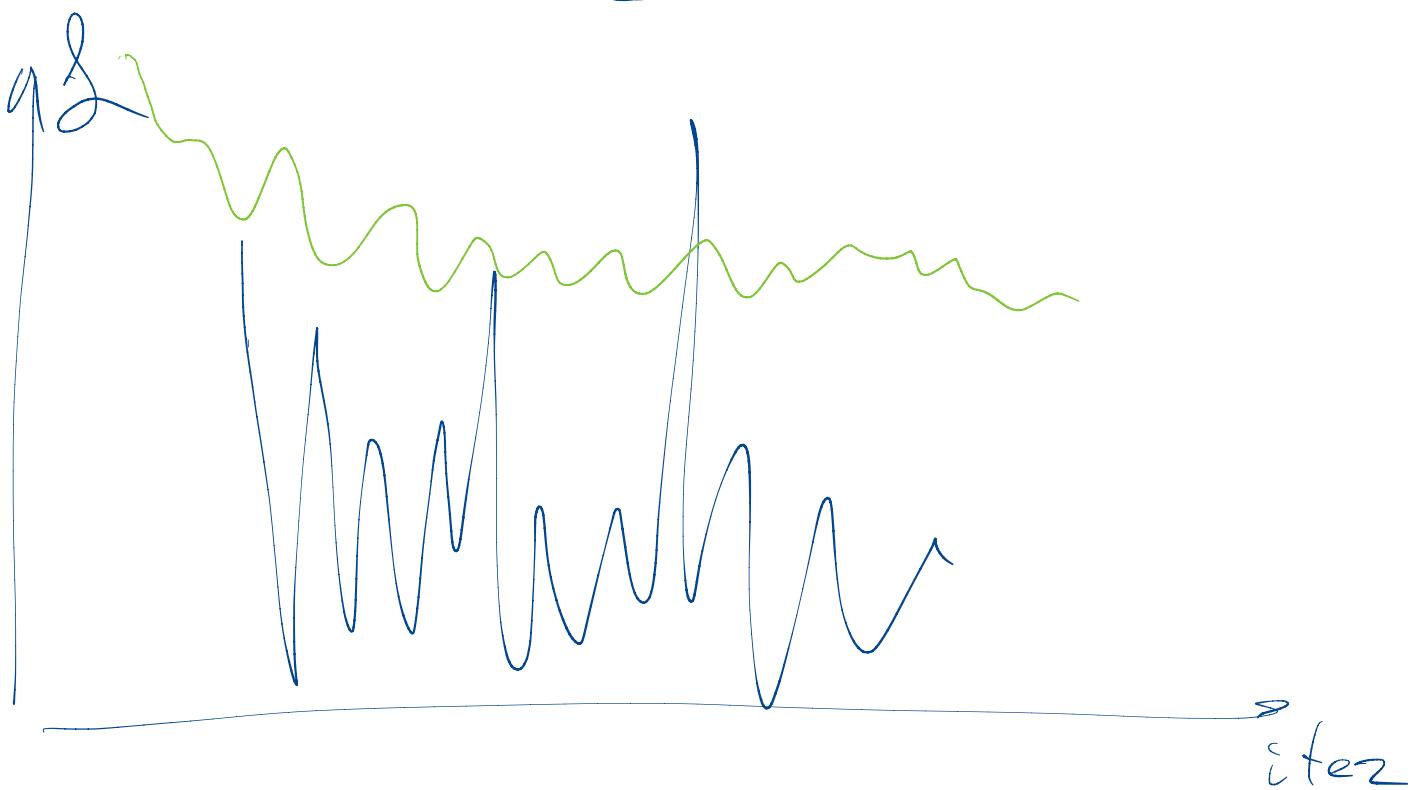
Локальные минимумы:

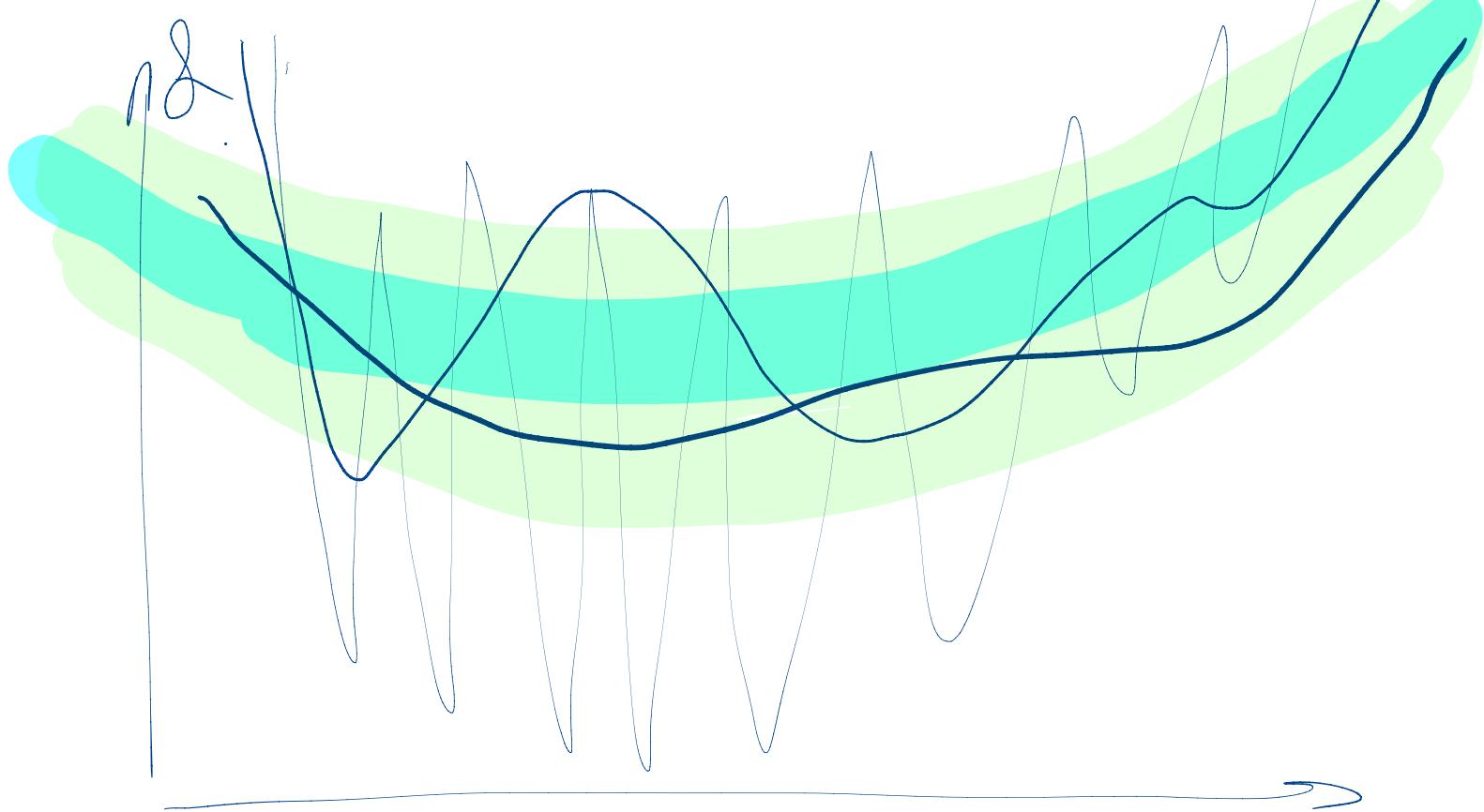
$$\nabla f_{\theta_i} = 0 \quad \frac{\partial^2 f}{\partial \theta_i \partial \theta_j}$$





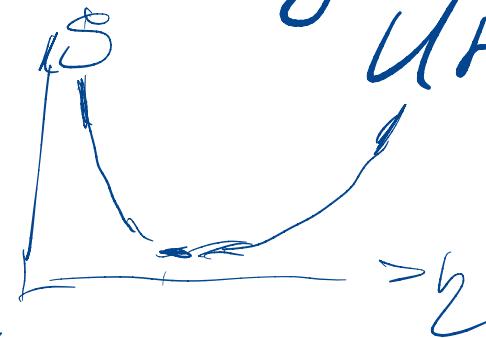
# Sharp minima VS. Flat minima





Факторы влияния в обучении ИНС

① Веса  $\theta$



② Веса  $\theta$  batch\_size

