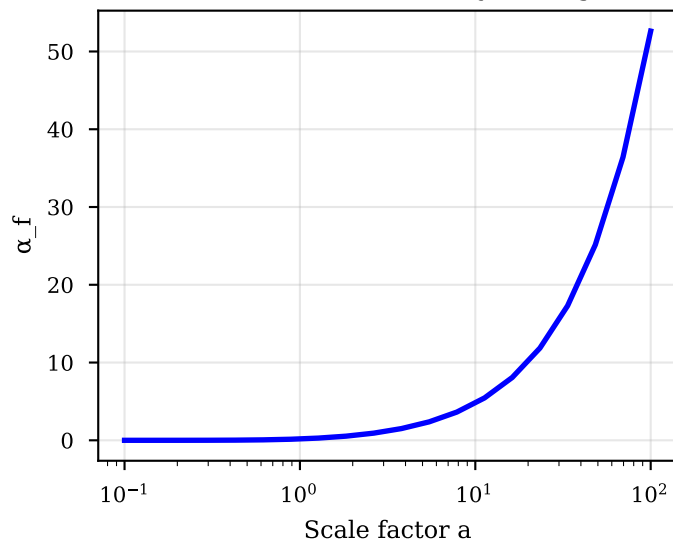
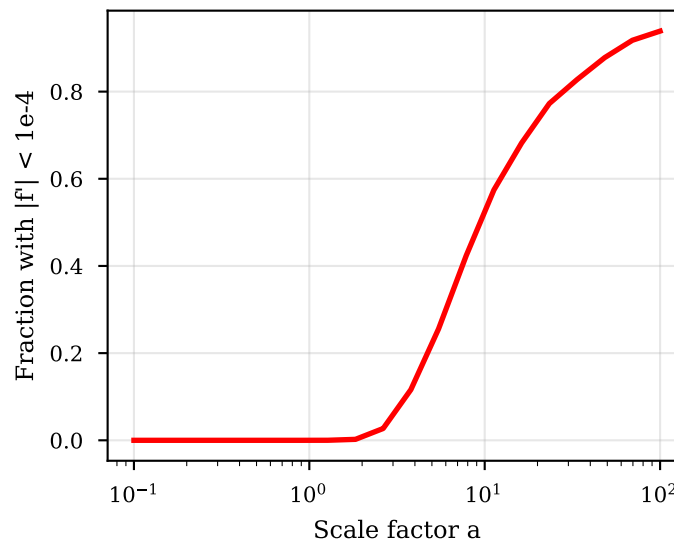


# Validation: Extreme Modulation Leads to Frozen States

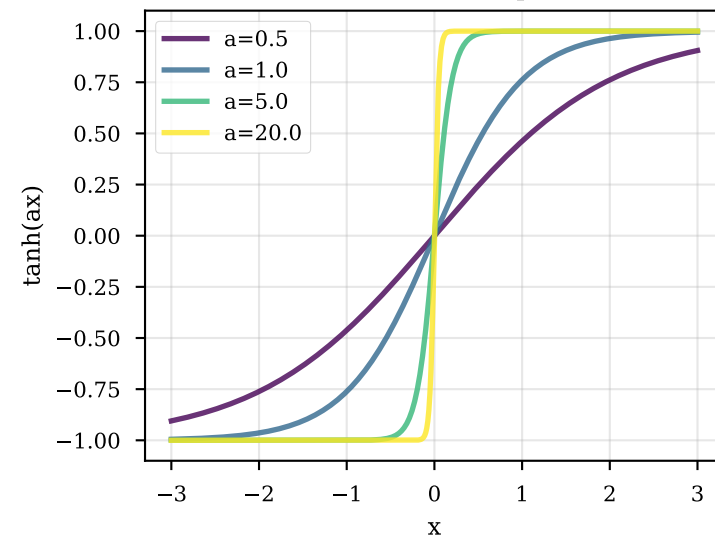
## Tanh(ax): Rank Recovery Strength



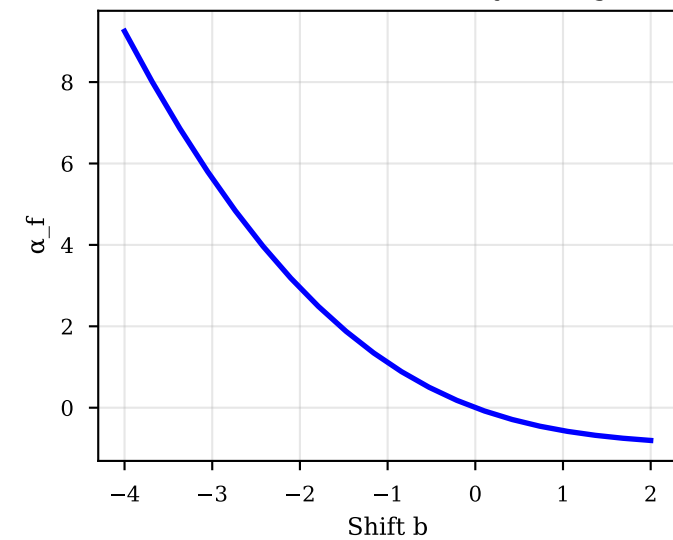
## Tanh(ax): Frozen Units



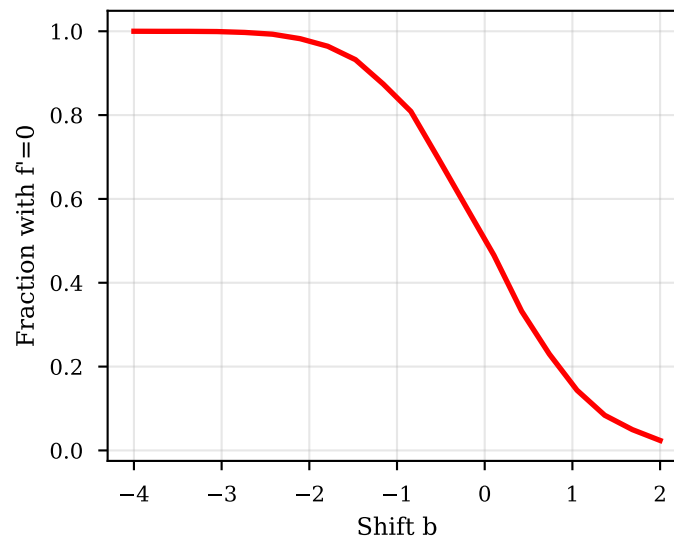
## Activation Shape



## ReLU(x+b): Rank Recovery Strength



## ReLU(x+b): Dead Units



## Activation Shape

