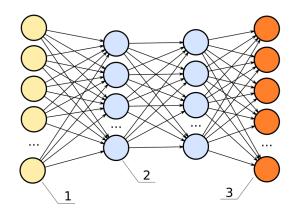
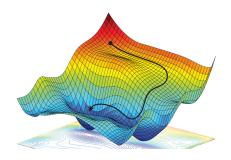
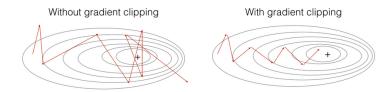
Cours 2: Keras et Convolutional Neural Networks

Deep Learning par la Pratique

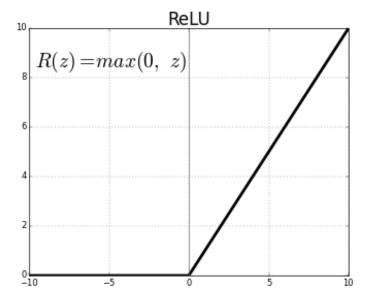




$\mathsf{Exploding}\;\mathsf{Gradient} \Rightarrow \mathsf{Gradient}\;\mathsf{clipping}$



 $\mbox{Vanishing Gradient} \Rightarrow \mbox{utilisation de ReLu plutôt que les sigmo\"ides}$



Optimisateur plus rapide que SGD

- Root Mean Square Propagation (RMSProp)
- Adapative Gradient Algorithm (AdaGrad)
- Adaptative Moment Estimation (Adam) ←
- ... AdaBound (2019)?

