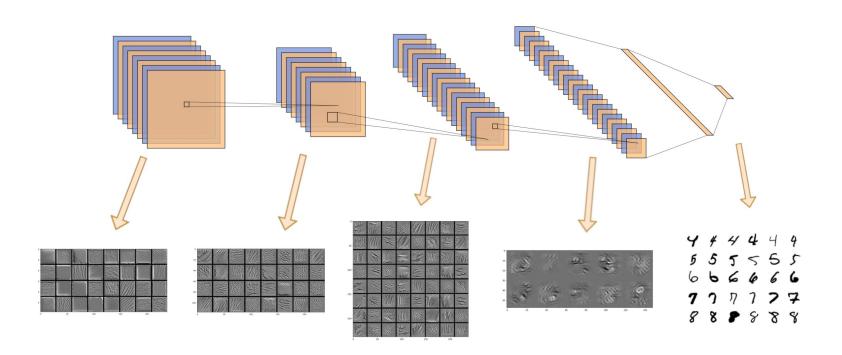
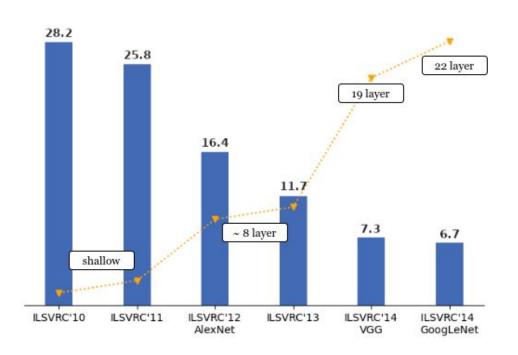
Residual Networks

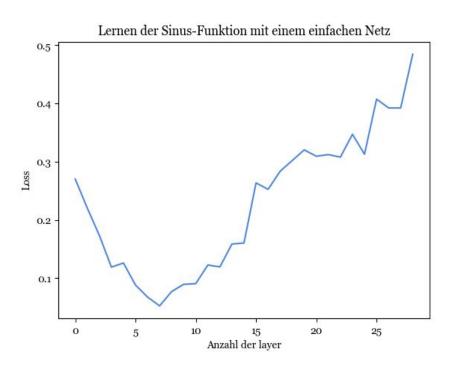
Alexander Kowsik

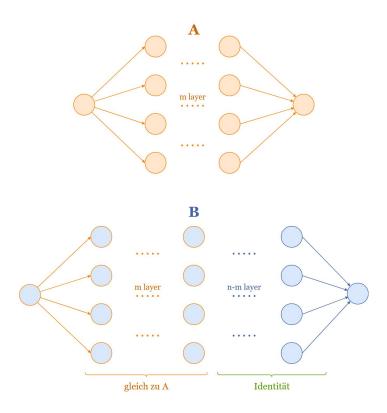
Outline

- Motivation: Training von sehr tiefen Netzen
 - Warum möchte man tiefe Netze?
 - Degeneration problem
- Residual Networks
 - Lernen von Residuen
 - Aufbau eines ResNets
 - Performances
 - Warum funktioniert das?
 - Training von ResNets
 - Architekturen + Code
- Weiterführendes

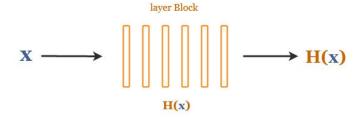


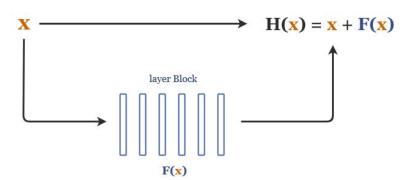


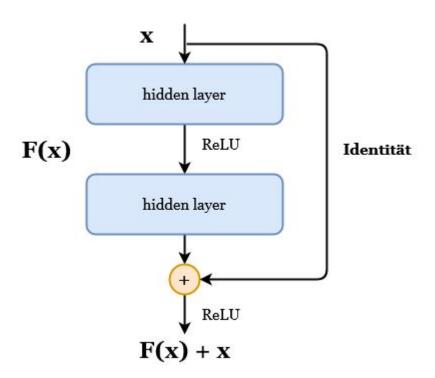


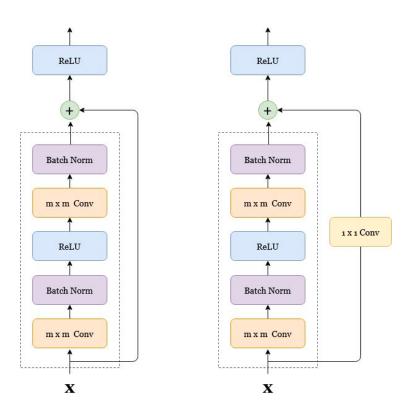


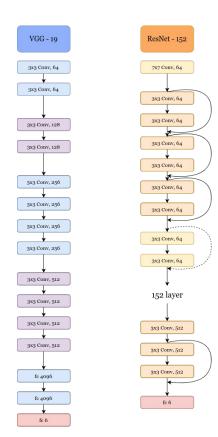
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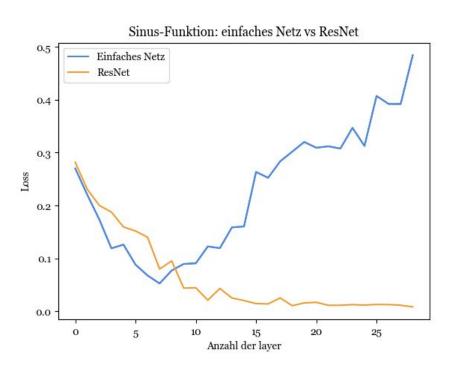


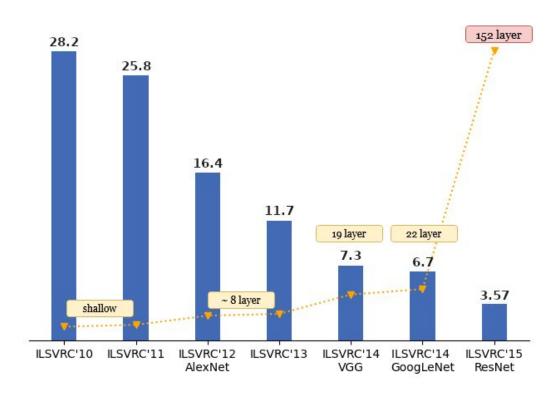




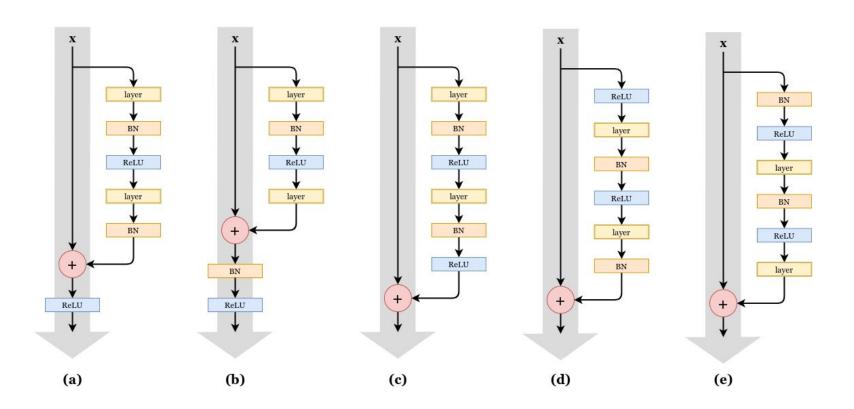




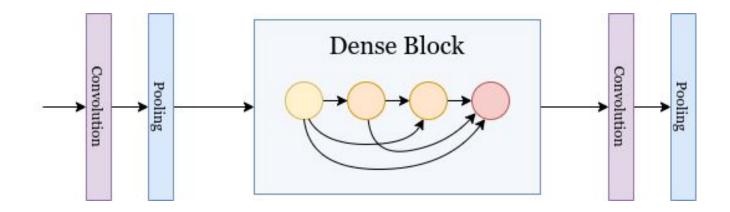




Aufbau, Varianten und Architekturen



Aufbau, Varianten und Architekturen



Zusammenfassung