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**Laurent Perrin - Montreal AI and Neuroscience, Dec 13th, 2025 - Montréal, Québec**



ConvNets got a new look: logprob map

dean-Nicolas Jérémy Emmanuel Dausé, Laurent Perrinet (2025) [Foveated Retinotopy Improved Classification and Localization in CNNs](#) ~~arXiv:2402.15480~~



Jean-Nicolas Jérémie

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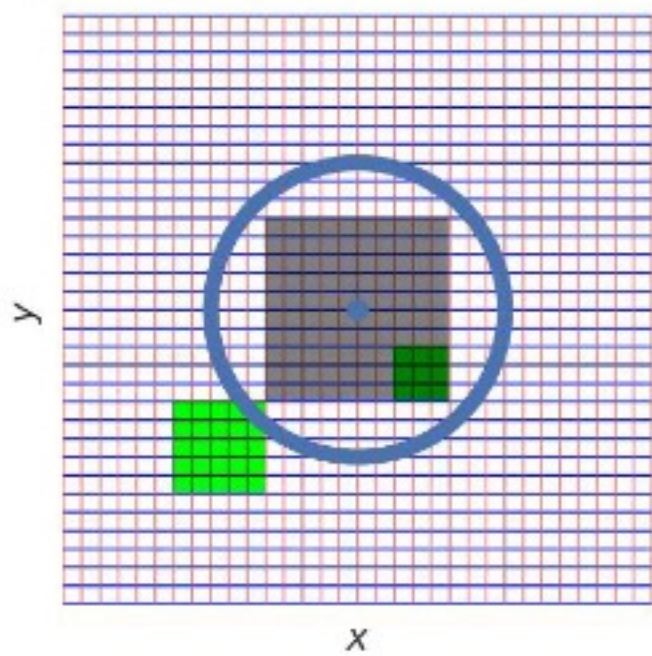
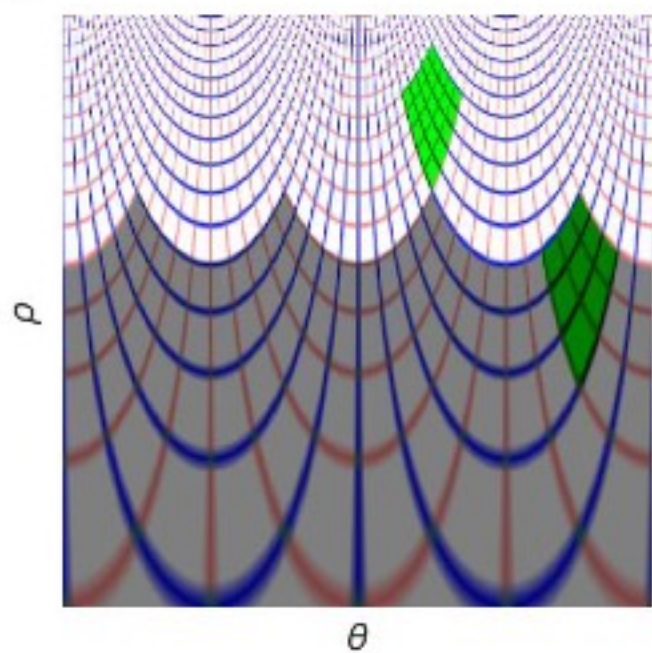
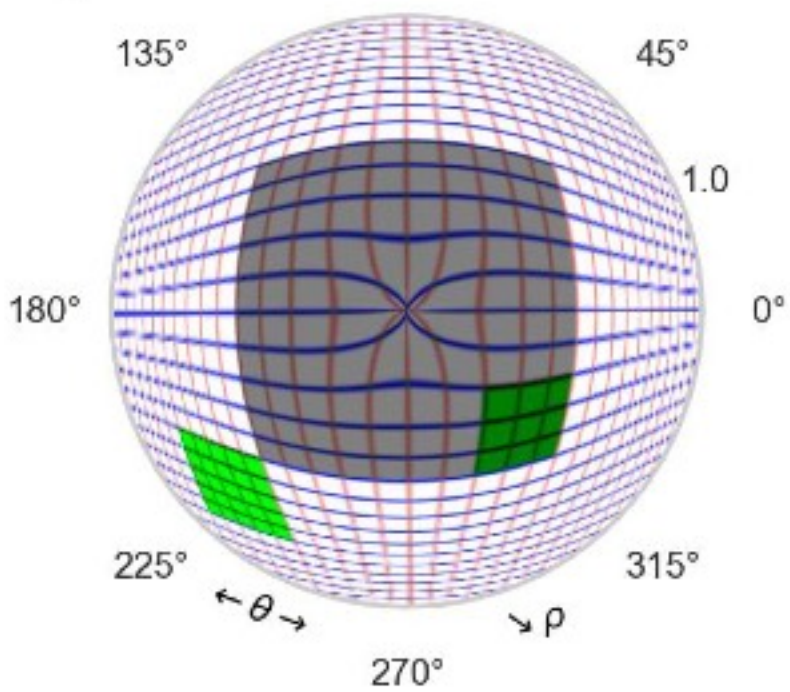
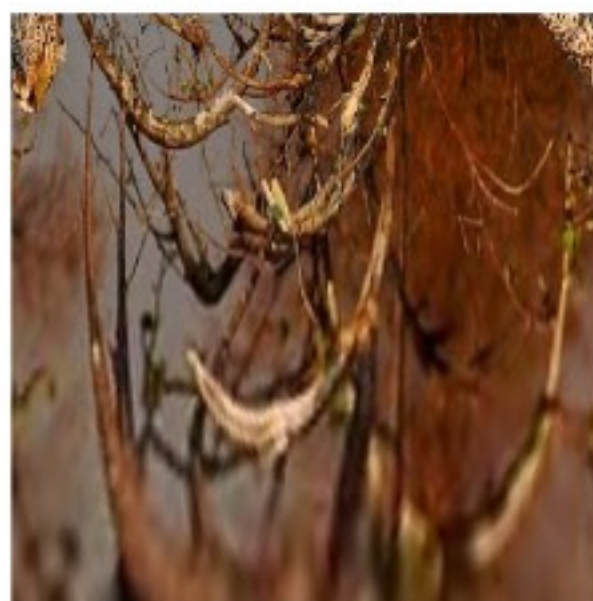
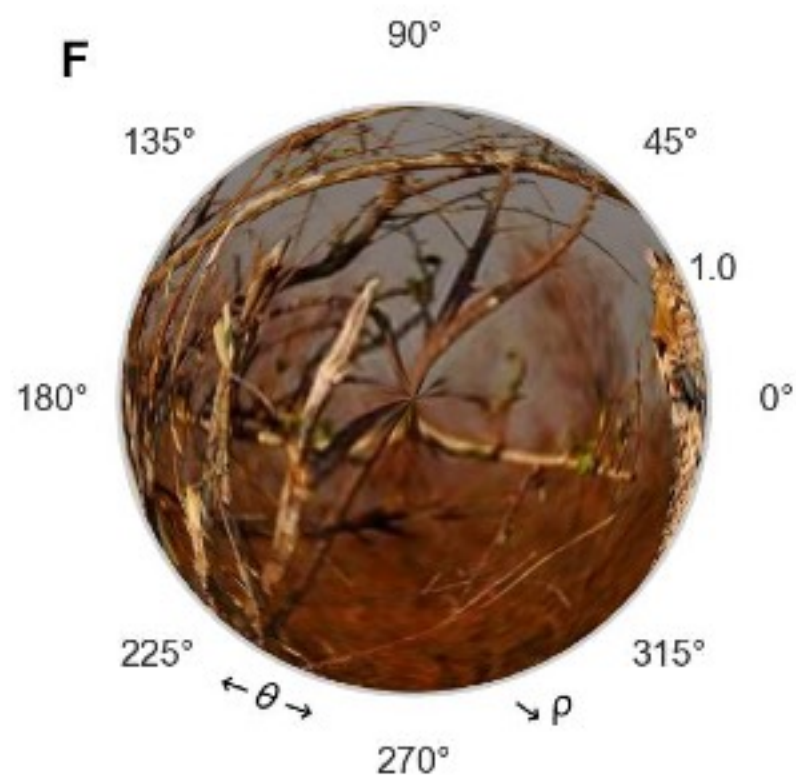
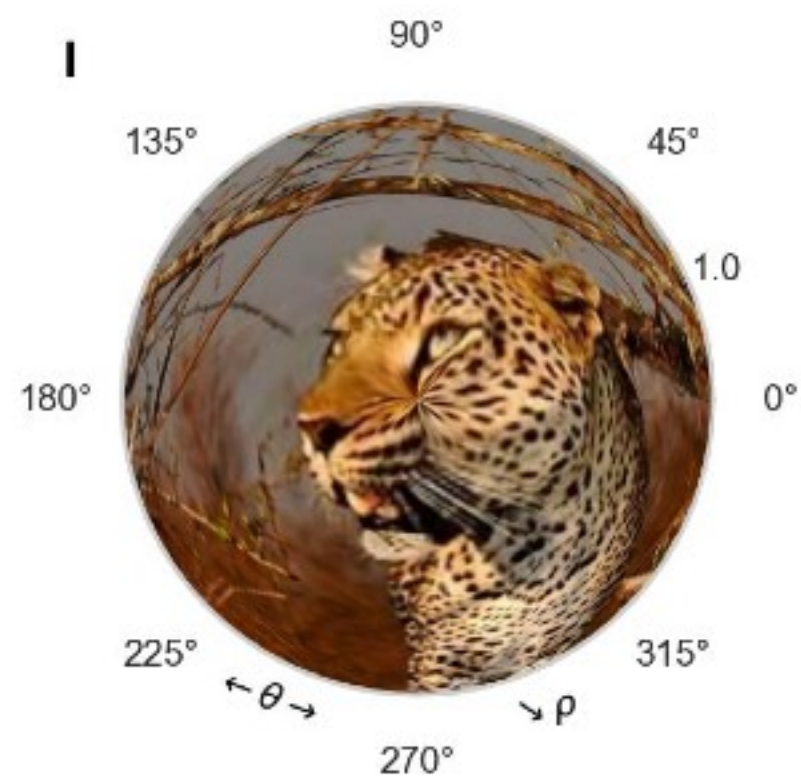




Ennauel Daucé

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**A****B****C****D****E****F****G****H****I**



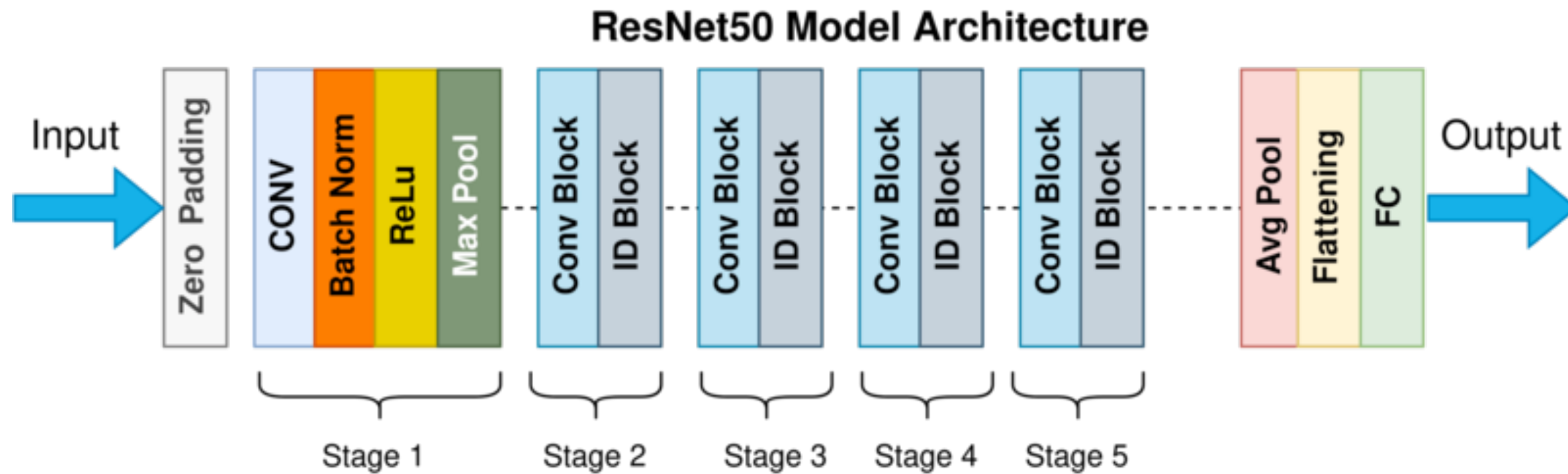
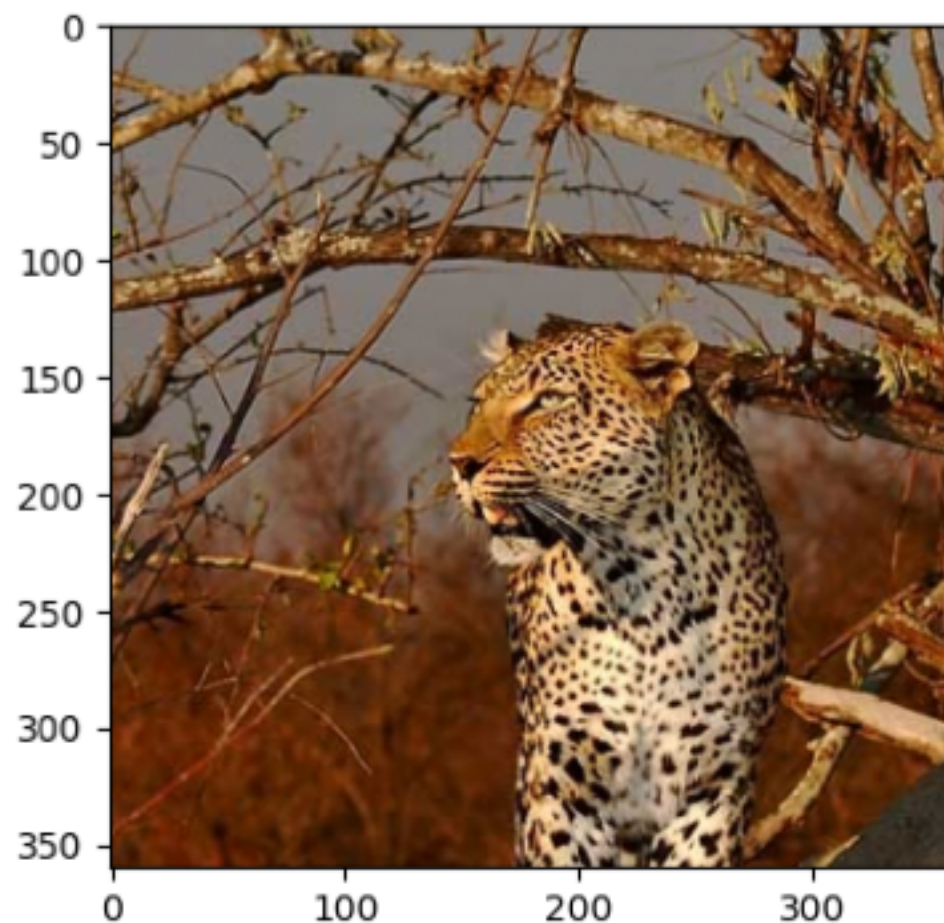






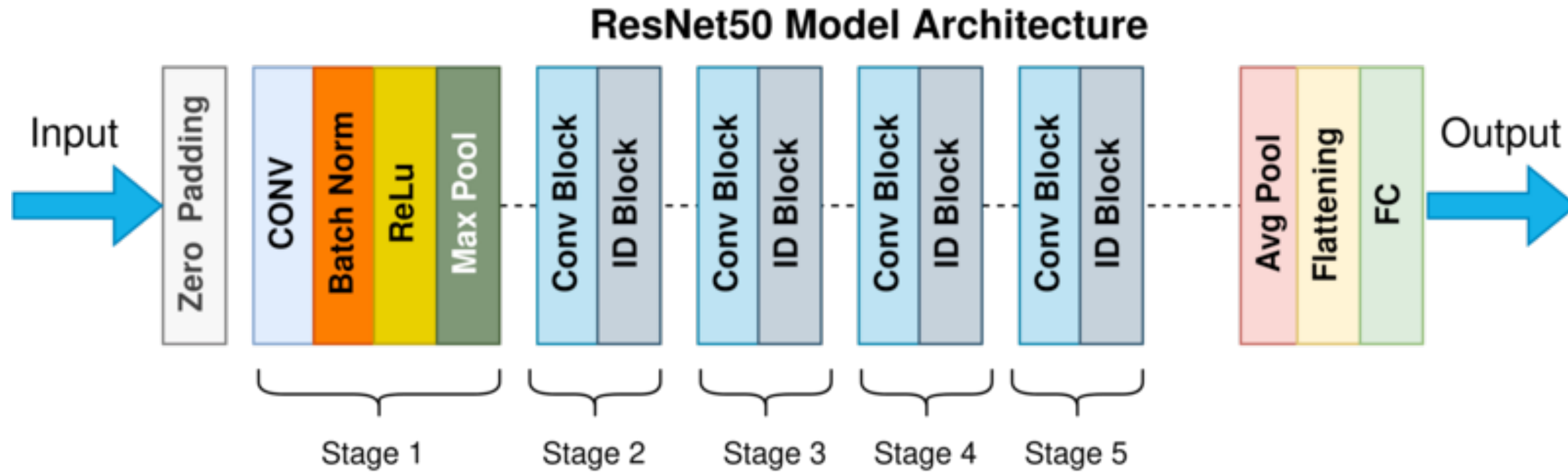
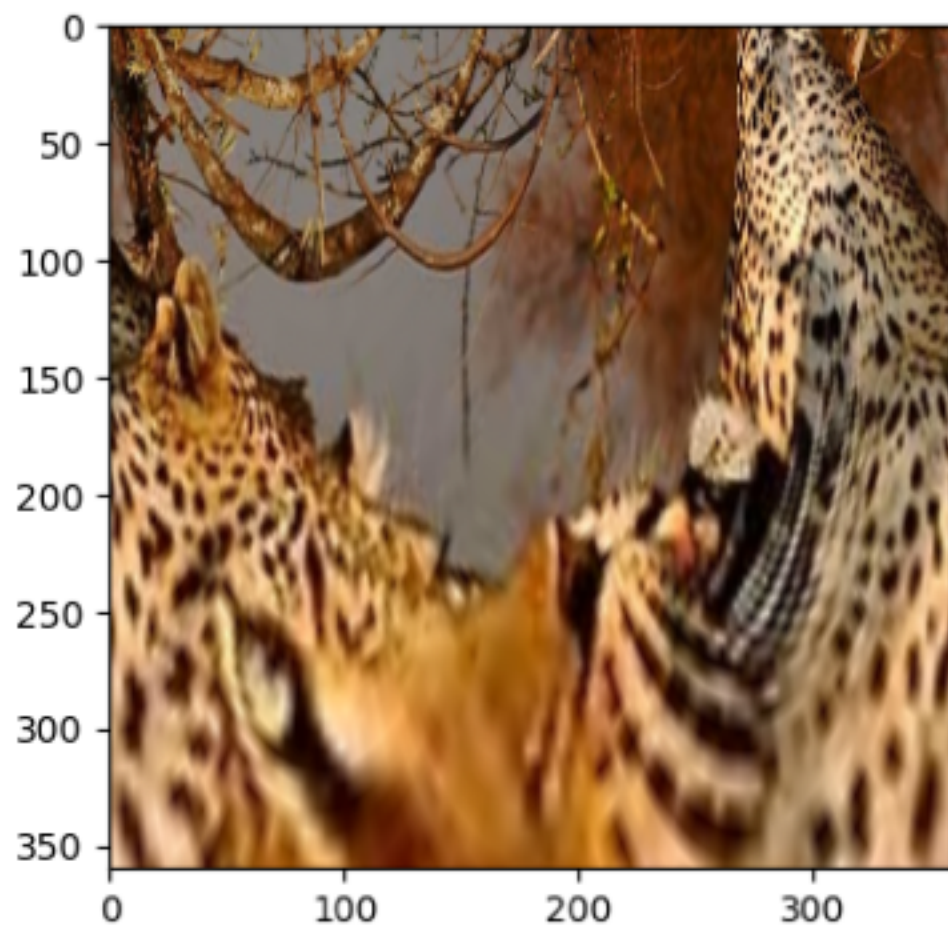


Uniform





Foveated

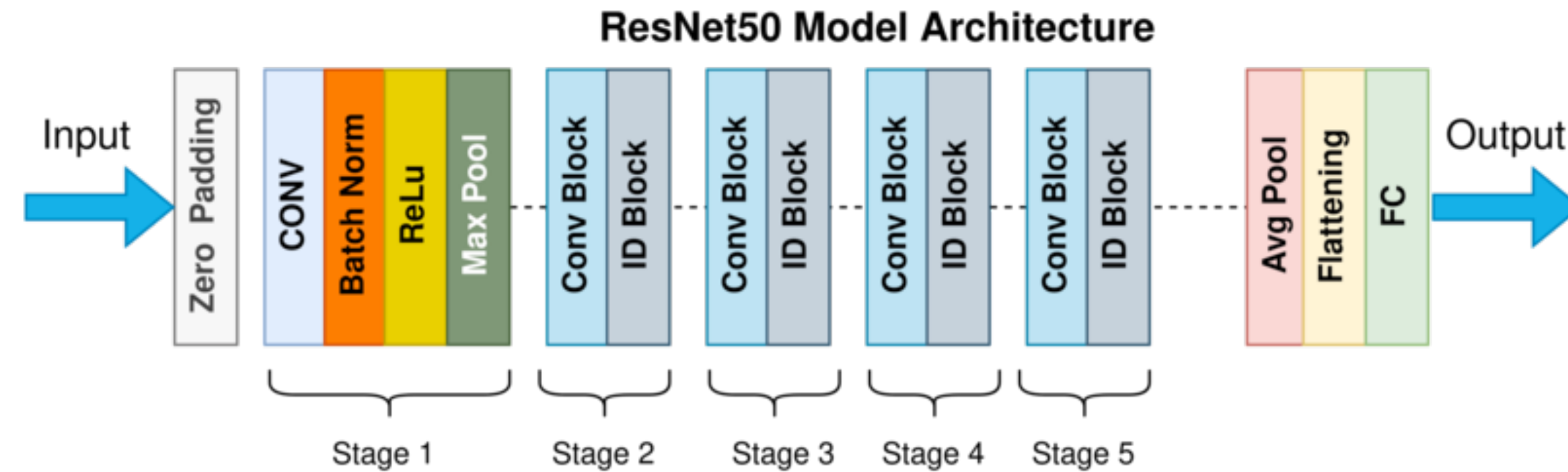
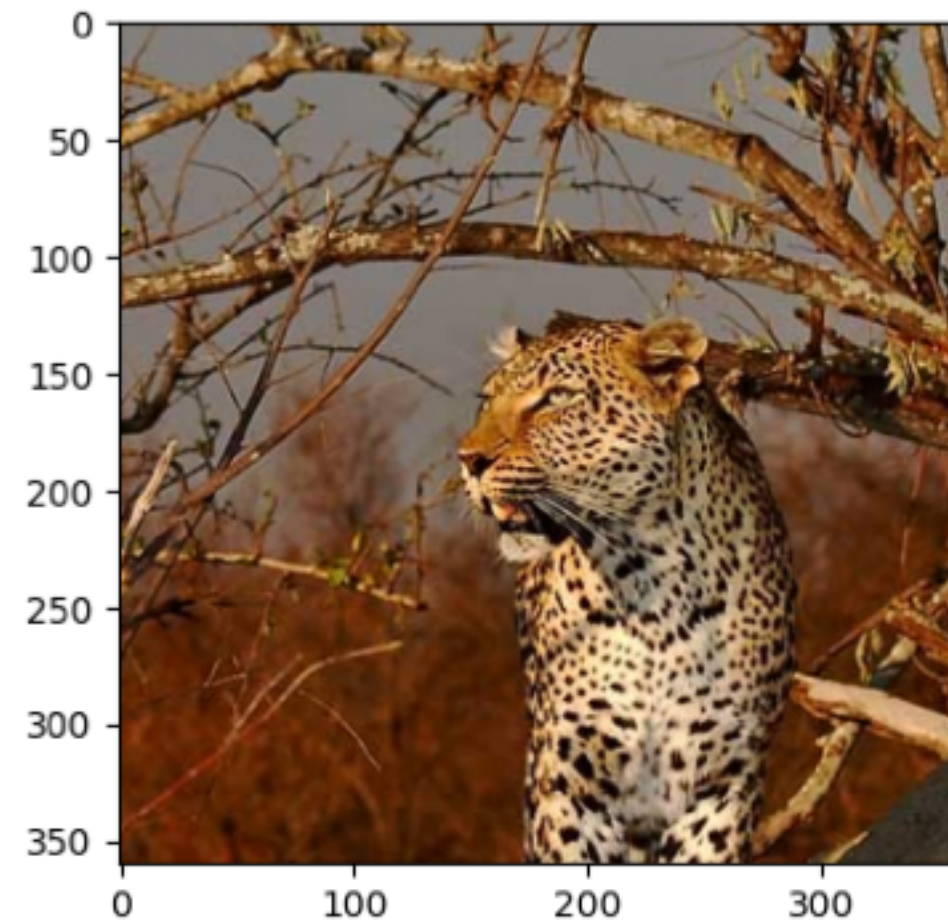




# ConvNets got a new look: logpolar map

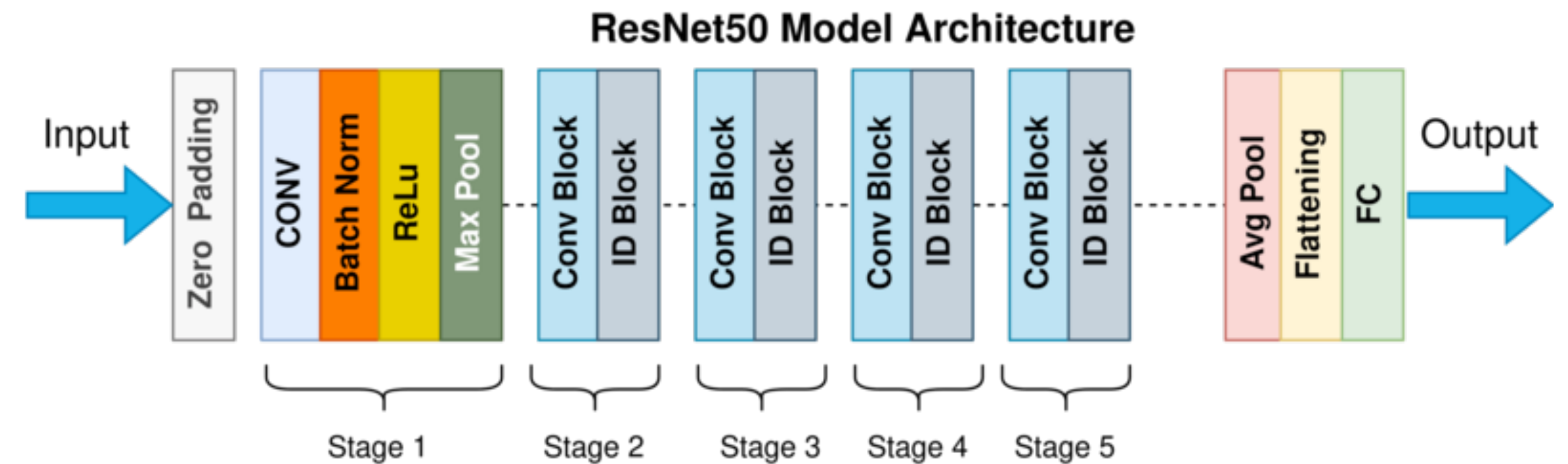
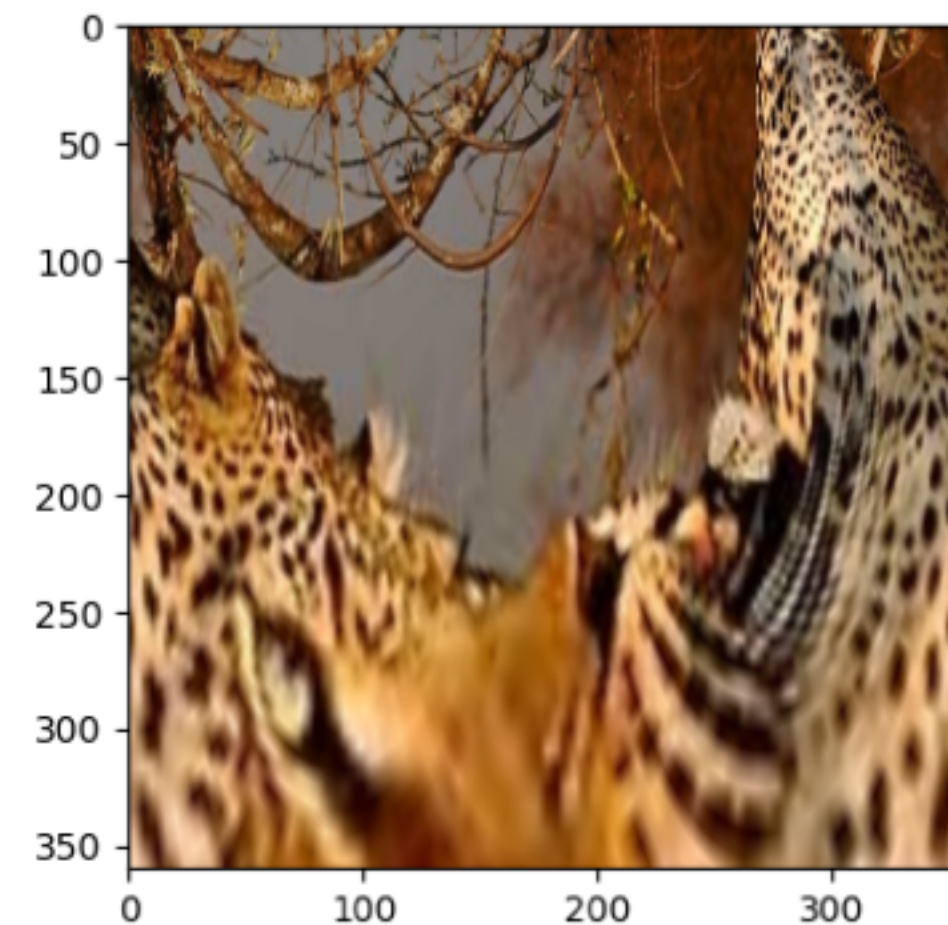
Jean-Nicolas Jérémie, Emmanuel Daucé, Laurent U Perrinet (2025). [Foveated Retinotopy Improves Classification and Localization in CNNs](#). arXiv:2402.15480

Uniform



[Emmanuel Daucé](#)

Foveated



[Jean-Nicolas Jérémie](#)

# ConvNets got a new look: results

