FlowNet: Learning Optical Flow with Convolutional Networks

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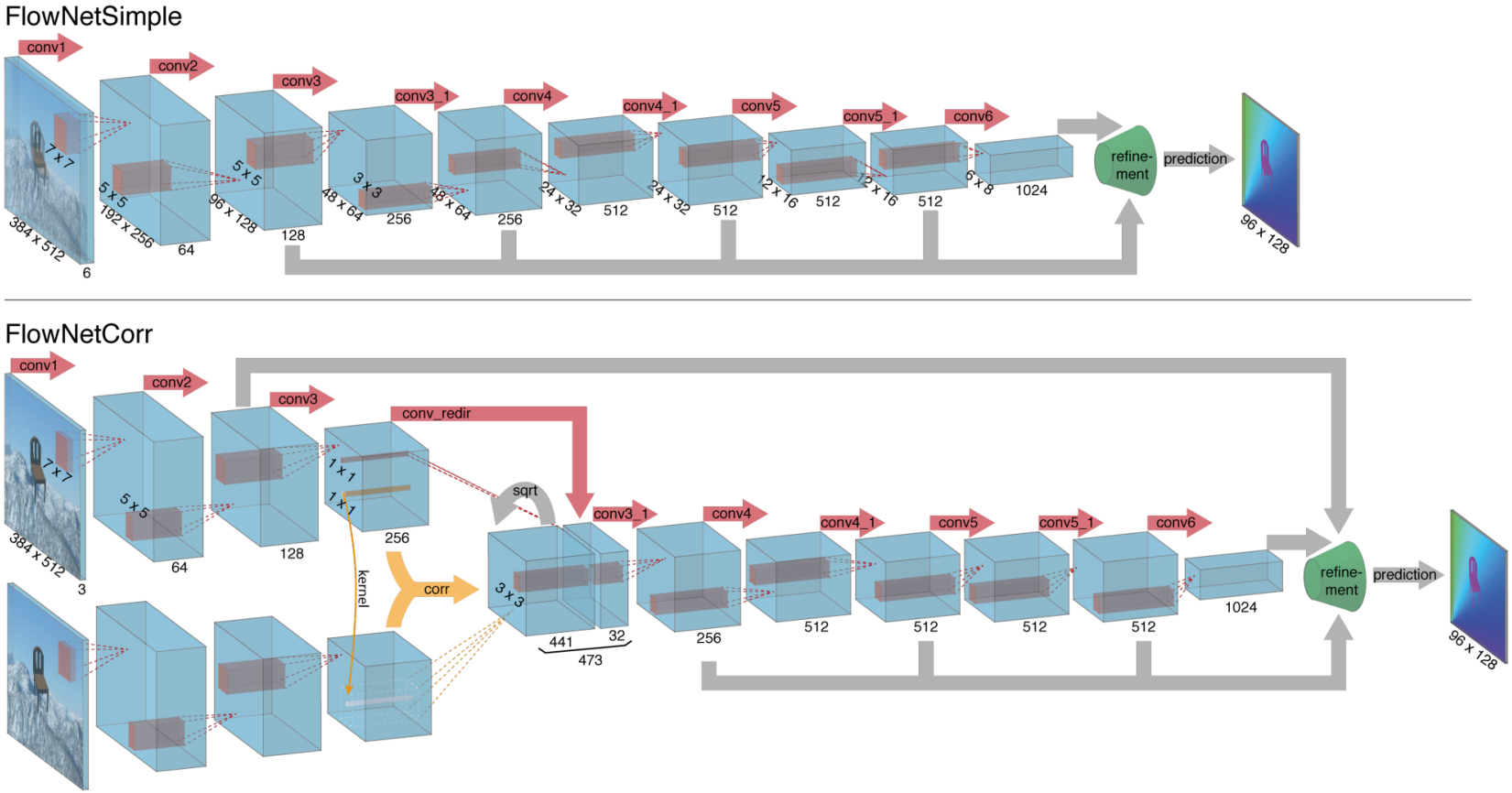

- Network is trained end-to-end
- Simple architecture : Process 2 stacked images jointly
- Alternative architecture : Process images separately, then correlate their features at different locations
- Train networks on large "Flying chairs" dataset with 2D motion of rendered chairs
- Evaluated on Sintel and KITTI. Beats state of art among real time methods