Low-level feature → Mid-level feature → High-level feature → Trainable classifier

Zeiler & Fergus, Visualizing and Understanding Convolutional Networks, 2013

Hubel & Weisel

topographical mapping

featural hierarchy

hyper-complex cells

complex cells

simple cells

high level
midlevel
low level
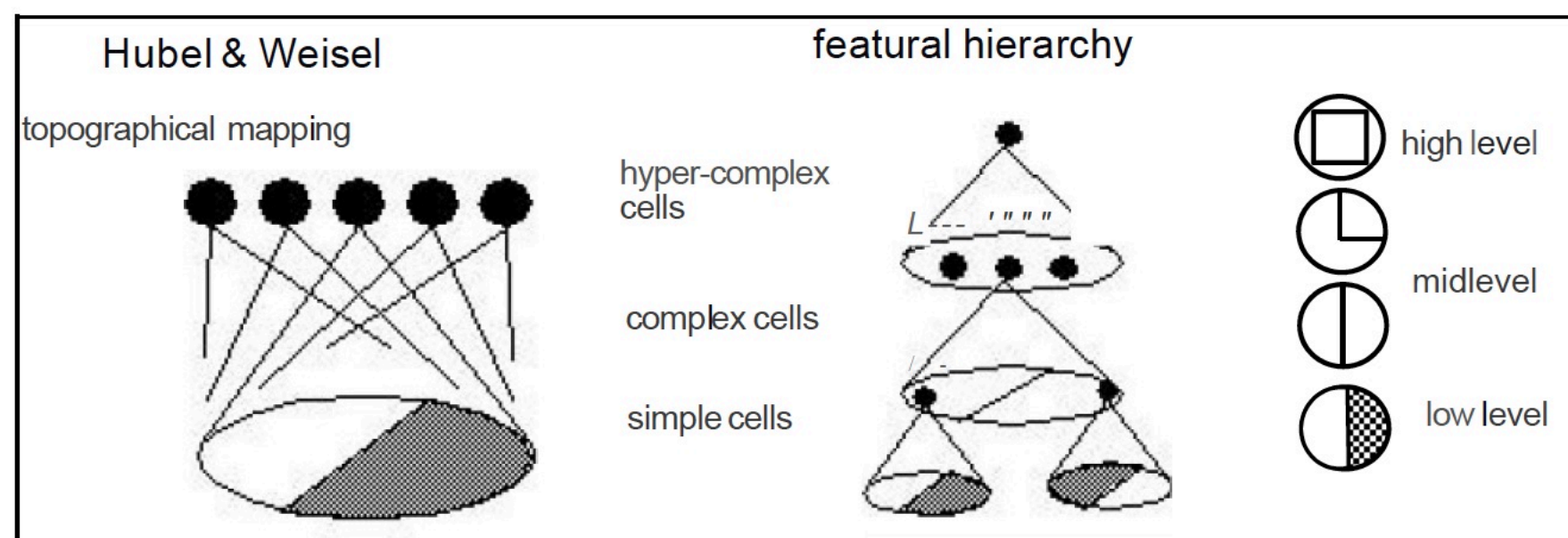
Learning hierarchical representation