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Vincent N Guingona* (guingona.1@nd.edu), University of Notre Dame, 255 Hurley, Notre Dame, IN 46556. *On VC-minimal theories.*

We discuss recent developments in our understanding of VC-minimal theories. First, we give some examples of theories that are dp-minimal but not VC-minimal using the idea of convex orderability. Next, we talk about canonical decompositions for formulas in a VC-minimal theory. Finally, we use this to compute the VC-density of formulas in a VC-minimal theory. Some of this work is joint with Joseph Flenner. (Received December 05, 2011)