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Slobodan N. Simić*, Department of Mathematics and Statistics, San José State University, San José, CA 95192. *Anosov, Carnot-Carathéodory and Reeb*. Preliminary report.

The stable and unstable bundles of a generic Anosov flow define a Carnot-Carathéodory (a.k.a. subriemannian) geometry on the underlying manifold. This geometry plays an important role in understanding the dynamics of the Anosov system, the main difficulty being that unlike in the classical case, the horizontal distribution is usually not smooth. I will discuss some open questions in this setting and present some preliminary results. The talk will also explore connections between Anosov and Reeb vector fields from contact geometry. (Received September 09, 2013)