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**Konrad Aguilar\*** (konrad.aguilar@asu.edu) and **Frederic Latremoliere**. *Compact quantum metrics from conditional expectations*.

We discuss two interesting cases of when conditional expectations produce compact quantum metrics in the sense of M. A. Rieffel. The first case will come from unital AF algebras equipped with faithful tracial states. These quantum metrics will provide continuous families of natural classes of AF algebras in the Gromov-Hausdorff propinquity topology of F. Latremoliere. The second case will be associated to full matrix algebras, in which these quantum metrics will be used to show that any compact metric space is a limit of matrix algebras in the Gromov-Hausdorff propinquity topology. Motivated by our work with conditional expectations on AF algebras, we also present quantum metrics on any unital AF algebra from quotient norms. (This is, in part, joint work with F. Latremoliere). (Received September 04, 2017)