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Zhengan Wang* (zhenghwa@microsoft.com), Microsoft Station Q, UC Santa Barbara, Santa Barbara, CA 93106. *Bulk-edge Correspondence in 2D Topological Phases of Matter*. Preliminary report.

A 2D topological phase of matter is modelled in the bulk by a unitary modular category, while the edge theory of a 2D topological phase is a conformal field theory. We will discuss how to classify all conformal field theories with the same bulk. This is a preliminary report. (Received February 09, 2016)