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371-0805. *Classification of cords on a 3-punctured disk*. Preliminary report.

A cord is a simple curve on a punctured disk, which connects two punctures. The set of isotopy classes of cords forms a rack with the operation called "disk twist", and has applications to two-dimensional braid theory. In this talk, we prove that isotopy classes of cords on a 3-punctured disk are completely parameterized by 3 non-negative numbers. For the proof of it, we introduce the "diagram" which is a disjoint union of segments in a gon to represent an isotopy classe of a cord. (Received September 09, 2013)