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Uwe Kaiser* (kaiser@math.boisestate.edu), Department of Mathematics, Boise State University, Boise, ID 83725-1555. *State sum invariants of surface immersions*. Preliminary report.

We discuss ways to define invariants of immersed oriented surfaces in oriented 3-manifolds that take values in Bar-Natan skein modules by state summation over double point curves. Invariance under a signed version of regular homotopy is proved. (Received February 04, 2008)