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David Pollack* (dpollack@wesleyan.edu) and **Avner Ash.** *Computations of $GL(3)$ eigencurves.* Preliminary report.

Let f be a Hecke eigenclass in the cohomology of a congruence subgroup of SL_3 with classical weight λ coefficients, and let Φ be a lift of f to a cohomology class with coefficients in a certain module \mathbf{D}_λ of p -adic distributions. Assuming Φ is ordinary at p , or numerically non-critical at p and appearing in a 1-dimensional generalized eigenspace, Φ is known to deform along a 1-dimensional (mod twisting) eigencurve. We will discuss ongoing calculations to study the projection of that curve to weight space, and in particular to compute the mod- p reduction of its tangent line. (Received September 16, 2019)