1146-57-319 **Balazs Strenner*** (bstrenner7@gatech.edu). *Fibrations of 3-manifolds and nowhere continuous functions.*

Given a 3-manifold fibering over the circle, we investigate how the pseudo-Anosov monodromies change as we vary the fibration. Fried proved that the stretch factor of the monodromies (normalized with the Thurston norm) varies continuously. We study how another numerical invariant, the asymptotic translation length in the arc complex (also normalized with the Thurston norm) varies. We show that the functions that describe how this quantity varies are rather strange: they are nowhere continuous, but the set of accumulation points of the graphs of these functions are, in certain cases, graphs of very simple continuous functions such as $\frac{1}{1-x^2}$. The talk will contain lots of pictures. (Received January 25, 2019)