

1024-37-194

Alex Clark* (alexcl@unt.edu), **John Hunton** and **Catherine Llewellyn-Jones**. *Shape theory and substitution tiling spaces*. Preliminary report.

We will examine how shape theory can be applied to substitution tiling spaces to provide a sharper invariant than cohomology. In particular, we shall see how it can be used to detect obstructions to embedding tiling spaces in manifolds that are not detected by cohomology. (Received January 08, 2007)