1125-55-1241 **Amit Patel*** (akpatel@colostate.edu), Department of Mathematics, 1874 Campus Delivery, Fort Collins, CO 80523-1874. *Classification of Constructible Cosheaves.*

A covering space of a manifold M is equivalent to a functor from the fundamental groupoid of M to the category of sets. This is the classic classification theorem for covering spaces. In general, a locally constant cosheaf valued in a category C is equivalent to a functor from the fundamental groupoid of M to C. Suppose S is a topological stratification of M. An S-constructible cosheaf valued in a category C is equivalent to a functor from the entrance path category of (M, S) to C. The entrance path category, introduced by MacPherson, acts as a the fundamental groupoid for stratified spaces. I will discuss this classification theorem for constructible cosheaves. (Received September 15, 2016)