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**William Ott\*** ([ott@math.uh.edu](mailto:ott@math.uh.edu)), **Mark Tomforde** and **Paulette N. Willis**. *One-sided shift spaces over infinite alphabets*.

We define a notion of (one-sided) shift spaces over infinite alphabets. Unlike many previous approaches to shift spaces over countable alphabets, our shift spaces are compact Hausdorff spaces. We examine shift morphisms between these shift spaces, and identify three distinct classes that generalize the shifts of finite type. We show that when our shift spaces satisfy a property that we call *row-finite*, shift morphisms on them may be identified with sliding block codes. As applications, we show that if two (possibly infinite) directed graphs have edge shifts that are conjugate, then the groupoids of the graphs are isomorphic, and the  $C^*$ -algebras of the graphs are isomorphic. (Received September 21, 2021)