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Warren Wogen* (wrw@email.unc.edu), Department of Mathematics, University of North Carolina, Chapel Hill, NC 27599-3250. *Spatial Isomorphisms of Truncated Toeplitz Operators.*

Each inner function I determines an invariant subspace, called a model space, for the backward shift. Compressing the space of Toeplitz operators to this model space yields an operator space of truncated Toeplitz operators, or TTOs. We investigate how the structure of these spaces of TTOs depends on I . In particular, for which inner functions are the corresponding TTO spaces spatially isomorphic? We also consider when certain natural algebras of TTOs are spatially isomorphic. This is joint work with J. Cima, S. Garcia, and W. Ross. (Received September 01, 2010)