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James P Kelly* (james.kelly@cnu.edu). *The Specification Property for Certain Classes of Linear Operators.*

We study the specification property for three specific types of linear operators: generalized backward shift operators and their commutants on Frechét spaces, backward shifts on Frechét spaces with unconditional bases, and translation operators on spaces of the form $L_v^p(\mathbb{R}_+)$ or $L_v^p(\mathbb{R})$ where v is an admissible weight. For the latter two classes of operators, we show that the specification property is equivalent to chaos in the sense of Devaney, and for generalized backward shift operators and operators in their commutants, we give a sufficient condition for an operator to have the specification property. (Received September 22, 2015)