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Enrique Pujals* (epujals@gc.cuny.edu). *From zero to positive entropy.*

In the sciences in general, the phrase "route to chaos" has come to refer to a metaphor when some physical, biological, economic, or social system transitions from one exhibiting order to one displaying randomness (or chaos). Sometimes the goal is to understand which universal mechanisms explain that transition, and how one can describe systems that operate in a region between order and complete chaos. In the talk I will try to explain how this was done for one-dimensional dynamics and I will present new approaches that allow one to move away from those limitations. (Received January 25, 2022)