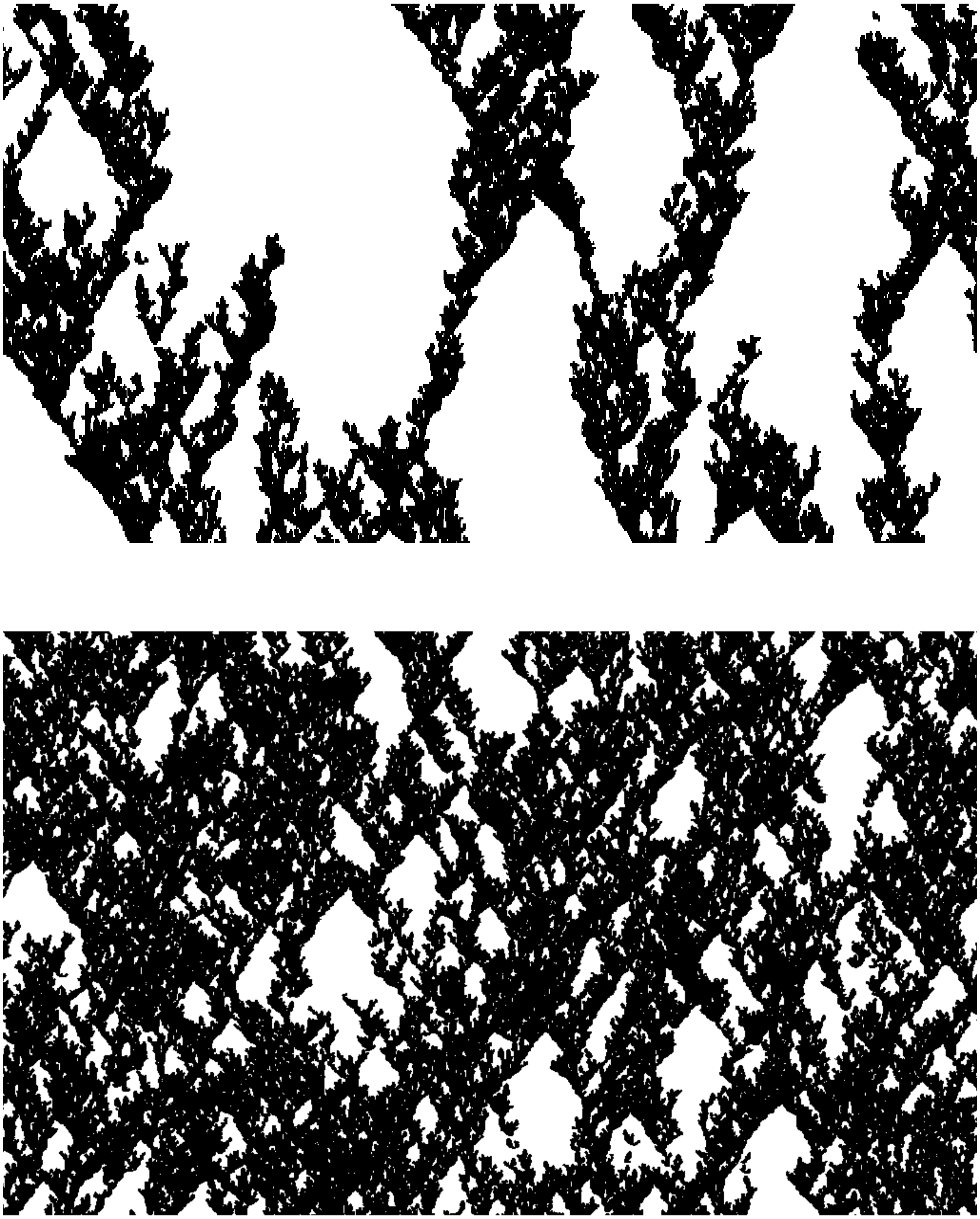

Maps of the velocity of a single flux line driven transversally through an array of random impurities. The vertical axis is time, while the horizontal axis is the position z on the line. Dark regions indicate where the velocity exceeds 0.01. The top figure is for a line close to the pinning transition, the bottom figure is for a line well into the sliding state. Maps are shown for flux lines of size L=4096 evolving over a time interval Δt=30.