1163-05-1659   **Juergen Kritschgau*** (`jkritsch@iastate.edu`) and **Josh Carlson**. *Forbidden induced subgraph characterizations for throttling.*

Zero forcing can be described as a graph process that uses a color change rule in which vertices change white vertices to blue. The throttling number of a graph minimizes the sum of the number of vertices initially colored blue and the number of time steps required to color the entire graph. This talk presents results that characterize the graphs on n vertices with throttling number at least $n - k$ using a finite family of induced subgraphs. These forbidden subgraphs are constructed for standard throttling. (Received September 16, 2020)

1