

---

**HAYK GRIGORYAN**, Concordia University

*On graphs with diametral broadcast time*

In this paper we study the family of graphs for which the broadcast time equals to the diameter of the graph. In particular we describe all trees on  $n$  vertices with diametral broadcast time. For general graphs we give some partial results. We also look at the broadcast time in graphs with multiple originators and give bounds to estimate the broadcast time. This is joint work with Hovhannes Harutyunyan.