

1145-VP-2417      **Ju Zhou\*** (zhou@kutztown). *PM-compact graphs and cycle-forced graphs.*

A graph  $G$  is *perfect matching compact*, or *PM-compact* for short, if for each even cycle  $C$  of  $G$ ,  $G - V(C)$  has at most one perfect matching. A graph  $G$  is a *cycle-forced graph* if for every cycle  $C$  in  $G$ ,  $G - V(C)$  has a unique perfect matching. In this talk, we talk about results related to PM-compact graphs and cycle-forced graphs. (Received September 25, 2018)