# Maximal number of cycles of a given length in oriented graphs 

Daniel Král ${ }^{\text {¹ }}{ }^{(1)}$, Andrzej Grzesik ${ }^{(2)}$, László Miklós Lovász ${ }^{(3)}$, Jan Volec ${ }^{(4)}$<br>${ }^{(1)}$ Masaryk University, Brno, Czech republic<br>${ }^{(2)}$ Jagiellonian University, Kraków, Poland<br>${ }^{(3)}$ Massachusetts Institute of Technology, Cambridge, MA, USA<br>${ }^{(4)}$ Czech Technical University, Prague, Czech Republic

We will discuss the problem of finding the maximal possible number of directed cycles of a given length in oriented graphs.

