

# Combinatorics Seminar

Thursday, Oct. 28, 2010

2:00 pm in Hume 321

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## Long cycles in 3-connected graphs with bounded degrees

### ABSTRACT

In 1993 Jackson and Wormald conjectured that if  $G$  is a 3-connected  $n$ -vertex graph with maximum degree  $d \geq 4$  then  $G$  has a cycle of length  $\Omega(n^{\log_{d-1} 2})$ . In this talk, I will report progresses on this conjecture and related problems.