

Lethbridge Number Theory and Combinatorics Seminar

Monday — March 5, 2018

Room: B543

Time: 12:00 to 12:50 p.m.

Amir Akbary

On the size of the gcd of $a^n - 1$ and $b^n - 1$

Abstract: We review some results, from the last twenty years, on the problem of bounding

$$\gcd(a^n - 1, b^n - 1),$$

as n varies. Here either a and b are integers or a and b are polynomials with coefficients in certain fields. In spite of elementary nature of the problem, the results are depended on tools from Diophantine approximation and Diophantine geometry.

EVERYONE IS WELCOME!

Visit the seminar web page at
<http://www.cs.uleth.ca/~nathanng/ntcoseminar/>



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