

# NUMBER THEORY SEMINAR

## *Congruences concerning Jacobi polynomials, II*

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WHERE: Chase 227

ABSTRACT:

In this talk we will prove some polynomial congruences modulo a power of a prime in terms of the finite polylogarithms. This refines several recent results of Z. W. Sun on supercongruences. As a consequence, we also obtain some numerical congruences involving central binomial coefficients and Fibonacci or Lucas numbers. (Joint work with Kh. Hessami Pilehrood and R. Tauraso)

Any questions, please e-mail: [rnoble@mathstat.dal.ca](mailto:rnoble@mathstat.dal.ca).