

# NUMBER THEORY SEMINAR

*Some arithmetical results on certain multivariate power series*

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WHERE: Chase 319

ABSTRACT:

We discuss and show that the irrationality and/or transcendence properties of some multivariate power series, such as multivariate exponential series, logarithmic series, partial theta series, and many others, can be obtained by using the linear independent properties of the values of the one variable projection of the multivariate series. Some of the results are published and some are to appear.

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