Algebra and Number Theory Seminar

Prof Stefan E. Schmidt (TU Dresden)

will speak on

Small Categories and their Convolutional Algebras over Semirings

Mon 7th September 2009 at 4:00PM

Location: Mathematical Sciences Seminar Room

Firstly, we consider directed multi-graphs and their node and edge evaluations into semirings. Thereafter, we specialize to small covariant categories and investigate their convolutional algebras over semirings. Many known semiring constructions turn out to be particular instances of these convolutional algebras. We also show how previous work of G. Voutsadakis and D. Kozlov on Moebius inversion is reflected in our framework.

This talk is part of the **Algebra and Number Theory** series. For more, see
`https://maths.ucd.ie/seminars`