

A combinatorics and crypt applications sandwich: Distinct Difference Configurations for Wireless Sensor Networks

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(This talk is based on joint work with Simon Blackburn and Luke Stewart.)

A Distinct Difference Configuration (DDC) is a subset of a group, whose pairwise differences are distinct. Wireless Sensor Networks (WSNs) are networks of spatially distributed devices that measure their environment and pass these measurements across the network. This talk will sandwich how DDCs can be used for key distribution in WSNs, between some background on DDCs themselves and some recent results inspired by the application.