

# Japan-Korea Workshop on Algebra and Combinatorics

September 14-15, 2007

Room 4201, 4th Science building  
Kyushu University, Hakozaki Campus

Organizing Committee:

Eiichi Bannai (Kyushu University)

Jung Rae Cho (Pusan National University)

Mitsugu Hirasaka (Pusan National University)

Tatsuro Ito (Kanazawa University)

Hyun Kwang Kim (POSTECH)

Jack Koolen (POSTECH)

Akihiro Munemasa (Tohoku University)

## September 14 (Friday)

**09:10 – 09:15** Opening

**09:15 – 10:00** Akihide Hanaki (Shinshu University)

A modular absolute bound condition for primitive association schemes

**10:15 – 11:00** Jung Rae Cho (Pusan National University)

On cycle decompositions of complete multi partite graphs

**11:15 – 12:00** Hyun Kwang Kim (POSTECH <sup>1</sup>)

Lonesum matrices

**14:00 – 14:20** Reza Sharafadini (Pusan National University)

Semisimplicity of cellular algebras over positive characteristic fields

**14:30 – 15:00** Masashi Shinohara and Hiroshi Nozaki (Kyushu University)

On locally distance sets

**15:30 – 16:15** Makoto Tagami (Magdeburg University)

A lower bound for coefficients of Ehrhart polynomials

**16:30 – 17:15** Sejeong Bang (Pusan National University)

On distance-regular graphs with smallest eigenvalue at least  $-m$

**17:30 – 18:15** Joohyung Kim (NIMS <sup>2</sup>)

A duality between pairs of split decompositions for a  $Q$ -polynomial distance-regular graph

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<sup>2</sup>National Institute for Mathematical Science