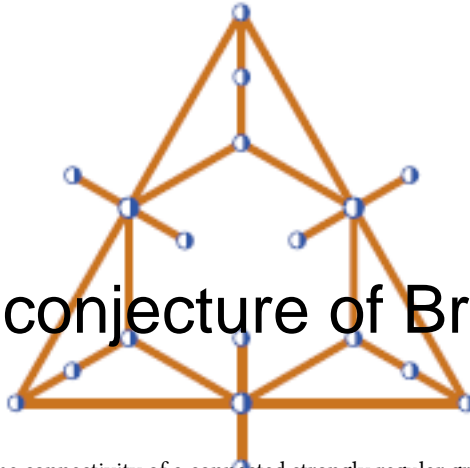


Bled'11 - 7th Slovenian International Conference on Graph Theory

Contribution ID : 110

On a conjecture of Brouwer



Content :

Brouwer and Mesner showed that the connectivity of a connected strongly regular graph is its valency. If you now ask what is the minimal size of a set you have to throw away such that all the remaining components have size at least 2 and there are at least two components, then a natural guess would be the size of the neighbourhood of an edge xy which has size $2k-2-\lambda$. Brouwer conjectured that this is true for strongly regular graphs. In this talk I will discuss this conjecture. This is joint work with S. Cioaba and Kijung Kim.

Primary authors : Dr. KOOLEN, Jack (POSTECH Dept Math)

Co-authors : Dr. CIOABA, Sebastian (University of Delaware) ; Dr. KIM, Kijung (POSTECH Dept Math)

Presenter : Dr. KOOLEN, Jack (POSTECH Dept Math)

Session classification : --not yet classified--

Track classification : Representations of Graphs

Type : Oral presentation