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Hipoteza „Hot Spots”

U ovom radu je ispitivana „Hot Spots” hipoteza numeričkim metodama. Korišćene su dve metode: metod jednostavnijeg modela i metod mreže, uz napomenu da je kod modela mreže simuliran Nojmanov granični uslov. Hipoteza je razamatrana nad poligonima, sa akcentom na trogulove.

“Hot Spots” Conjecture

In this science project we research the “Hot Spots“ conjecture using numerical methods. Two methods have been used: the simpler model method for the heat flow and the finite difference method on grid, noting that on the finite difference method on grid the Neuman boundary condition has been simulated. The “Hot Spots” conjecture“ has been considered for polygons, with an accent on triangles.

Veljko Vranić (1994), Kragujevac, Radeta Milosavljevića 19, učenik 3. razreda Prve kragujevačke gimnazije

Anđela Mladenović (1994), Beograd, 6. lička 24, Kaluđerica, učenica 3. razreda Matematičke gimnazije u Beogradu

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