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### DODATNA VALIDACIJA TEORIJE TRANSPORTA VLAGE TOKOM IZOTERMSKOG SUŠENJA

**Rezime:** Program „GetData-Graph digitalizer“ je korišćen za očitavanje koordinata tačaka sa dijagrama krivih sušenja i skupljanja preuzetih iz literature. Prikupljeni podaci su dalje obrađivani uskladu sa teorijom transporta vlage tokom izotermnog sušenja. Utvrđeno je da je oblik prognoznih krivi određen sa literaturno prikupljenim podacima sličan i uporediv sa teorijskom krivom Deff - MR. Karakteristične tačke koje definišu redosled i raspored međusobne interakcije mehanizama sušenja prikazane na teoriskoj prognoznoj krivi uočene su i na krivama preuzetim iz različitih naučnih radova, bezobzira na činjenicu što se metod proračuna zavisnosti Deff - MR prikazan u literaturi razlikovao od postupka na kome je zasnovana teorija transporta vlage tokom izotermnog sušenja. Upravo ova činjenica je potvrdila univerzalni karakter novorazvijene teorije sušenja.

**Ključne reči:** sušenje, efektivni koeficijent difuzije, keramički crepovi, skupljanje

### VERIFICATION OF THE DEVELOPED DRYING THEORY

**Abstract:** The program "GetData-Graph digitizer" was used as a tool for reading the coordinates from the drying and shrinkage curve diagrams taken from the literature. The collected data were further processed in accordance with the theory of moisture transport during isothermal drying. It was found that the resulting prognostic Deff - MR curves shape was similar and comparable to the theoretical one. It is important that all the transition points of the internal mechanisms registered on theoretical curve are present and can be seen in the same way on all the literaturaly taken figures, regardless of the fact that the calculation method for the determination of time dependent effective diffusion coefficient were different.

**Key words:** drying, effective diffusivity, clay tile, shrinkage

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