Zad. 3. De Cadepau metoda en efitasuo racunauje Bezierora Splajua. Polazite da je medoda isporauna, y. da za proizvogui ue[0,1] i fi = (1-u)pi + upi+1, i=0,1,2 si = (1-u)fi + ufi+1, i=0,1to = (1-u) &+ us, unjedi f(u) = to. Dokaz: f(u) = 60(u) po+ 61(u) p1+62(u) p2+63(u) p3 $p^{\circ}(n) = (1-n)_{3}$ $b_1(u) = 3u(1-u)^2$ $b_2(u) = 3u^2(1-u)$ $b_3(u) = u^3$ f(u) = (1-u)3po+3u(1-u)2p1+3u2(1-u)pr+ u3p3 to = (1-u) so + us, = (1-u)((1-u) ro + ur,) + u((1-u) ri + ur2) = = (1-u)210+(1-u)411+4(1-4)11+4212= = (1-u)200+ 2u(1-u)11+u202= = (1-u)2((1-u)po+upn)+2u(1-u)((1-u)p1+up2)+u=(1-u)p2+ups)= = (1-u)3po+u(1-u)2p1+2u(1-u)2p1+2u2(1-u)p2+u2(1-u)p2+u3p3= = (1-u)3po + 3u (1-u)2pa+3u2(1-u)p2+u3p3. = 4(u)

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