





[=, T) -> (0,+0), P(x)=-x lm(wm x) (+ -x) (-x). lm (xin x) Studiati combergenta integralei improprii valagrae d>0=, 3(d)= Car T: (2 < 1) dx = (=) comor

Coen of 50=> 7(9)= ((-x)-4 dx 8: (0,1) -> (0,+00), 8(x)= (-x) $2 = \lim_{x \to 0} (x - 0)^{p} J(x) = \lim_{x \to 0} x^{p} \frac{(-x)^{-\alpha}}{x^{-\alpha}}$ = lim x P+d (1-x)-d = lim x P+d = lim x P+d aligem P=-0(=) 2 = 1 dece p<1(d>-1) = sint come dace P = 1 (de-1) = sint die Br conclusie: J(d) conv (=> d c (-1,1) 7(2) div => de R1(-1,1)

