3 Covil

Once we set the integral equal to 1, the denominator term 3 reduces to βα Γ (α+y) 91 Γ(α) (1+β)α+y

Puthry together O, O, and 3:

e-222 Ba24-16-38 y! Γ(α) - βα Γ (α + y) y! Γ(α) (1+β) α+ y

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(1+B) x+y 2 x+1 e-2(B+1) Maty)

which sthe PDF of Gamma (2; 0x+y, B+1)