
Exercices 01

Exercice 1:

Montrer que

1. $(-1)^k \Gamma(k+n+1) = k! \Gamma(n) (n+k) \binom{-n}{k}$.

2. $B(p, q) = \frac{\Gamma(p)\Gamma(q)}{\Gamma(p+q)}$.

Exercice 2:

Montrer que $\frac{d^n}{dx^n} E_{\alpha, \beta}(x) = n! E_{\alpha, \beta+n\alpha}(x)$.