EULER FORMÜLLERİ

1. $e^{a+bi} = e^a(\cos b + i \sin b)$, a, b–reel sayılar, $i = \sqrt{-1}$
2. $e^{a-bi} = e^a(\cos b - i \sin b)$

MOIVRE FORMÜLÜ

1. $(\cos\alpha + i\sin\alpha)^n = \cos n\alpha + i \sin n\alpha$

HİPERBOLİK FONKSİYONLAR

1. $\sinh t = \frac{1}{2}\left(e^t - e^{-t}\right)$
2. $\cosh t = \frac{1}{2}\left(e^t + e^{-t}\right)$
3. $\tanh t = \frac{\sinh t}{\cosh t} = \frac{e^t - e^{-t}}{e^t + e^{-t}}$
4. $\coth t = \frac{\cosh t}{\sinh t} = \frac{e^t + e^{-t}}{e^t - e^{-t}}$
5. $\sinh^{-1} t = \ln\left(t + \sqrt{t^2+1}\right)$
6. $\cosh^{-1} t = \ln\left(t + \sqrt{t^2-1}\right)$, $t \geqslant 1$
7. $\tanh^{-1} t = \frac{1}{2}\ln\frac{1+t}{1-t}$, $-1 < t < 1$
8. $\cosh^2 t - \sinh^2 t = 1$
9. $\sinh(t \pm x) = \sinh t \cosh x \pm \cosh t \sinh x$
10. $\cosh(t \pm x) = \cosh t \cosh x \pm \sinh t \sinh x$
11. $\sinh 2t = 2\sinh t \cosh t$
12. $\cosh 2t = \cosh^2 t + \sinh^2 t$

İNTEGRALLER

1. $\int udv = uv - \int$
2. $\int a^u du = \frac{a^u}{\ln a} + C$
3. $\int \cos u du = \sin$
4. $\int \sin u du = -\cos$
5. $\int \sec^2 u du = \tan$
6. $\int \csc^2 u du = -\cot$
7. $\int u^a du = \frac{u^{a+1}}{a+1} + C$
8. $\int \frac{du}{u} = \ln|u| + C$
9. $\int f(u)du = \int f($
10. $\int \frac{du}{a^2+u^2} = \frac{1}{a}\arctan$
11. $\int \frac{du}{u^2-a^2} = \frac{1}{2a}\ln$
12. $\int \frac{du}{\sqrt{a^2+u^2}} = \operatorname{arcsin}$
13. $\int \frac{du}{\sqrt{a^2-u^2}} = \arcsin$
14. $\int \sqrt{a^2-u^2}du =$