Volution a= 8

(1)
$$\frac{dx}{dx} = \frac{8}{10} \frac{dx}{(10 + mn(x))^2}$$
 $2 = \frac{e^{-x}}{2} = \frac{e^{-x}}{$

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Ko der toó Urman Pobli 23,0KT. 2020 aleranne 3. $\int_{-\infty}^{\infty} e^{i\omega x} (x) dx =$ $Les(2) = \frac{z^2 + 1}{2z} = \frac{z}{2} + \frac{1}{2z}$ = 27 2/2 + 1/2 = = Je = et 121<00 to 2t 1 $= \int_{0}^{2\pi} \frac{2}{2} \frac{1}{2}$ *Anoutane magnetud integraali reriidi kandu. Uuritaval funktrioonil on isearantes punktiles 2=0. Veratleru pirkorde ühileringis 12/<1. * Residi beidnisch arendame mölemad eksporent furlitionid ritter. * Leianne saadend vidade korrutise * Vaatleme saadend korrutise Laurenti verks arendem kordajat kohal C., Vaadame et verks arendust: $\frac{\xi/2}{2} \frac{|\xi| < +\infty}{2} 1 + \frac{\xi}{2} + \frac{\xi^2}{2^2 \cdot 2!} + \frac{\xi^3}{2^3 \cdot 3!} + \frac{\xi'}{2^4 \cdot 4!} + \dots$ $2^{1/2z} = \frac{12|x+10|}{2|x+10|} + \frac{1}{2|x+10|} + \frac{1}{2|x+1$ lige C, st reed rea likmed millel

Kunz meid huvitab korntises ainult lige C_{-1} , at read rea lijkmed miller on t artendaja = -1, nis nāeme, et meid huvitawad lijkmed saame, kuri nea $\frac{t}{2}$ k-nda lijkme korntame nea $\frac{t}{2}$ (k+1)-nda lijkme korntame nea $\frac{t}{2}$ (k+1)-nda lijkmega,

Tulemunks tehib meil rida; $\frac{t}{2}$ $\frac{t}{$

 $\int_{0}^{\infty} e^{(\alpha x)(x)} dx = 2 \pi i \cdot Res\left(e^{\frac{x}{2}}e^{\frac{1}{2}x}, 0\right) = 2 \pi i \cdot C_{-1}$

 $\int_{0}^{2\pi} \log(x) dx = 2\pi i \cdot \sum_{k=0}^{2\pi} \frac{2k+1}{k!} \cdot k! \cdot (k+1)!$

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