

$$\int_{1e^{-x/1-z}}^{2e^{-x/1-z}} \left(\frac{z\cos\frac{z}{z-y}}{z-y}\right)^{2} (z-z)^{2} (z-z)^{2} dz$$

$$\int_{1e^{-x/1-z}}^{2e^{-x/1-z}} \int_{1e^{-x/2-z}}^{2e^{-x/2-z}} dz = 2\pi i \operatorname{Res}_{z=y} z\cos\frac{z}{z-y}$$

$$\int_{1e^{-x/1-z}}^{2e^{-x/2-z}} dz = 2\pi i \operatorname{Res}_{z=y} z\cos\frac{z}{z-y}$$

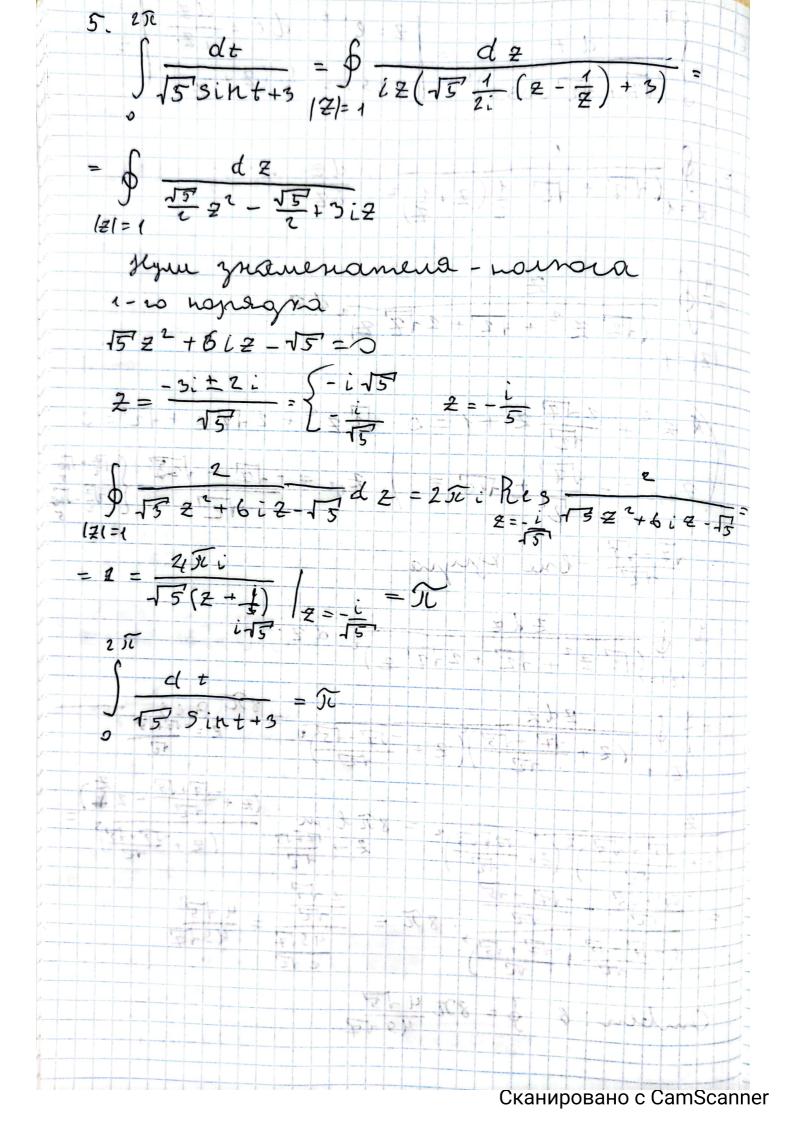
$$\int_{1e^{-x/1-z}}^{2e^{-x/2-z}} dz = 2\pi i \operatorname{Res}_{z=y} z\cos\frac{z}{z-y}$$

$$\int_{1e^{-x/1-z}}^{2e^{-x/2-z}} dz = (+5+(2-x))(\frac{z}{z-y})(\frac{z}{z-y})(\frac{z}{z-y})(\frac{z}{z-y})$$

$$\int_{1e^{-x/1-z}}^{2e^{-x/2-z}} dz = 4\pi i \operatorname{Res}_{z=y} z\cos\frac{z}{z-y}(z-z)$$

$$\int_{1e^{-x/1-z}}^{2e^{-x/2-z}} dz = 2\pi i \operatorname{Res}_{z=z} z\cos\frac{z}{z-z}(z-z)$$

$$\int_{1e^{-x/1-z}}^{2e^{-x/2-z}} dz = 2\pi i \operatorname{Res}_{z=z} z$$



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+00
                                            \frac{dx}{(x^2+2)^2(x^2+10)^2}
                            f(2) = (2'+1)2(22+10)2 = (2+iTi)(2-iTi)(2+iTi)(2-iTi)
            Sup 121
121=R 1212/22+10/21 = R 2-212/R2-10/2
            Im 2 20
                               00
                                Jan+2)2(22+10)2 = 250 i (Res (22+1)2(22+10)2
                   + Res == 1+2) = (22+10)2/
            R = i \sqrt{2} \left[ \frac{1}{(2^{2} + 1)^{2}} \left( \frac{2^{2} + 10}{(2^{2} + 10)^{2}} \right) \left( \frac{2}{(2^{2} + 10)^{2}} \right
                 = i\frac{1}{12872}) = lim = 2(2+i72)(2^2+10)^{\frac{7}{2}} - 42(2+i72)[2^2+10]

2 \rightarrow i72, (2+i72)^4(2^2+10)^4
                      \frac{2 \cdot 64 - 41i'i \cdot 21i'i}{-160} = \frac{160}{-81921i'i} = \frac{170}{-2561i'i}
 2= i-15' (2"+2)" (2"+10)
\frac{2}{2(z+i\sqrt{10})} - 4 \times (2^{2}+2) = \frac{32}{2(z+i\sqrt{10})} - \frac{32}{2(z+i\sqrt{10})} = \frac{2}{5(2-(-i\cdot800))}
                                   +36-170 - 72
                                                                                                                                                                                                       151200 HO
                           - 1409600 JE
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