Raffa Luca ZHON

Serie 3

2) 
$$I = \sqrt[3]{3} \cos(x^2) dx$$
;  $I(x) = \cos(x^2)$ ;  $I = 0, ..., 9$ 
 $I_{10} = \frac{b^{-2}}{2^{10}}$ ;  $I_{10} = 2^{1}$ 
 $I_{10} = II(\frac{\pi}{4}) = II(\frac{\cos(0) + \cos(0)^2}{2} + \cos(\frac{\pi}{4})^2) = -1000000$ 
 $I_{10} = II(\frac{\pi}{4}) = II/2(\frac{\cos(0) + \cos(0)^2}{2} + \cos(\frac{\pi}{4})^2) = -1000000$ 
 $I_{20} = III(\frac{\pi}{4}) = II/4(\frac{\cos(0) + \cos(0)^2}{2} + \cos(\frac{\pi}{4})^2) + \cos(\frac{\pi}{4})^2)$ 
 $I_{20} = III(\frac{\pi}{4}) = II/8(\frac{\cos(0) + \cos(0)^2}{2} + \cos(\frac{\pi}{4})^2) + \cos(\frac{\pi}{4})^2)$ 
 $I_{20} = III(\frac{\pi}{4}) = II/8(\frac{\cos(0) + \cos(0)^2}{2} + \cos(\frac{\pi}{4})^2) + \cos(\frac{\pi}{4})^2)$ 
 $I_{20} = III(\frac{\pi}{4}) = II/8(\frac{\cos(0) + \cos(0)^2}{2} + \cos(\frac{\pi}{4})^2) + \cos(\frac{\pi}{4})^2)$ 
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 $I_{20} = II/8(\frac{\pi}{4}) = II/8(\frac{\cos(0) + \cos(0)^2}{2} + \cos(\frac{\pi}{4})^2) + \cos(\frac{\pi}{4})^2$ 
 $I_{20} = II/8(\frac{\pi}{4}) = II/8(\frac{\sin(0) + \cos(0) + \cos(0)}{2} + \cos(\frac{\pi}{4})^2)$ 
 $I_{20} = II/8(\frac{\sin(0) + \cos(0) + \cos(0)}{2} + \cos(\frac{\pi}{4})^2) + \cos(\frac{\pi}{4})^2$ 
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 $I_{20} = II/8(\frac{\sin(0) + \cos(0) + \cos(0)$ 

$$T_{C1} : \frac{4 \cdot T_{10} - T_{0}}{3} = -1.5852123$$

$$T_{11} : \frac{4 \cdot T_{20} - T_{10}}{3} = -1.245812544$$

$$T_{21} : \frac{4 \cdot T_{0} - T_{0}}{3} = 0.58690802$$

$$T_{21} : \frac{4 \cdot T_{0} - T_{0}}{3} = 0.585969222$$

$$T_{21} : \frac{16 \cdot T_{21} - T_{01}}{15} = 0.582209132$$

$$T_{12} : \frac{16 \cdot T_{21} - T_{21}}{15} = 0.582209132$$

$$T_{12} : \frac{16 \cdot T_{21} - T_{21}}{15} = 0.563914683566$$

$$T_{21} : \frac{69 \cdot T_{21} - T_{22}}{60} = 0.528482201701$$

$$T_{23} : \frac{69 \cdot T_{21} - T_{22}}{60} = 0.56408812605$$

$$T_{24} : \frac{257 \cdot T_{0} - T_{03}}{275} = 0.564087600279$$