$${\bf L12.8.}$$
 $\boxed{\bf 1}$ punkt $]$ Jak należy dobrać $n,$ aby stosując złożony wzór Simpsona S_n obliczyć przy $^{\pi/6}$

bliżoną wartość całki
$$\int_{-\pi/3}^{\pi/6} \sin(5x - \pi/3) dx$$
 z błędem względnym $\leq 10^{-10}$?

$$R_{0}(f) = (\alpha - b) \frac{h_{0}^{4}}{480} \cdot f(\alpha) = \frac{(\alpha - b) \cdot (b - a)^{4}}{n^{4} \cdot 180} f(\alpha)$$

$$\int_{-311}^{11} ||S|^{2} ||S|^$$

$$-\frac{1}{5\cos^{2}} + \frac{1}{5\cos^{2}} = 0 + \frac{1}{5} \cdot (\frac{1}{2}) = \frac{1}{10}$$

$$S_{sin}\left(5x-\frac{11}{3}\right)dx = \begin{cases} 5x-\frac{1}{3}=t\\ 5dx=dt \end{cases} =$$

Sin (+) =
$$\frac{1}{5}$$
 (- $\cos(+)$) = $\frac{1}{5}$ cos($5 \times -\frac{11}{3}$)

- - \frac{1}{5} \cos (5x - \frac{1}{3}) \right|^6

$$\frac{1}{100} = 625 \quad \text{we seem} = 2(6-0) = -6$$

$$\frac{(b-0)^{5}}{(b^{-0})^{6} \cdot 180} \left| F^{(4)}(\lambda) \right| \leq 10^{-80}$$

$$\int_{0.80.10^{5}}^{6.05} \cdot 625
\int_{0.80.10^{5}}^{6.05} \cdot 625
\int_{0.80}^{6.05} \cdot 625$$