

Корекции на стр. 203-204 (Материјали)

дадениот број имаме

$$w_0 = \frac{\sqrt[6]{2^5}}{2} \left(\cos \frac{2 \cdot \overbrace{0}^{\cdot \pi} + \frac{3\pi}{4}}{3} + i \sin \frac{2 \cdot \overbrace{0}^{\cdot \pi} + \frac{3\pi}{4}}{3} \right) = \frac{\sqrt[6]{2^5}}{2} \left(\cos \frac{\pi}{4} + i \sin \frac{\pi}{4} \right),$$

$$w_1 = \frac{\sqrt[6]{2^5}}{2} \left(\cos \frac{2 \cdot \overbrace{1}^{\cdot \pi} + \frac{3\pi}{4}}{3} + i \sin \frac{2 \cdot \overbrace{1}^{\cdot \pi} + \frac{3\pi}{4}}{3} \right) = \frac{\sqrt[6]{2^5}}{2} \left(\cos \frac{11\pi}{12} + i \sin \frac{11\pi}{12} \right),$$

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Калкулус 2 (2018/2019)

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$$w_2 = \frac{\sqrt[6]{2^5}}{2} \left(\cos \frac{2 \cdot \overbrace{2}^{\cdot \pi} + \frac{3\pi}{4}}{3} + i \sin \frac{2 \cdot \overbrace{2}^{\cdot \pi} + \frac{3\pi}{4}}{3} \right) = \frac{\sqrt[6]{2^5}}{2} \left(\cos \frac{19\pi}{12} + i \sin \frac{19\pi}{12} \right)$$

(бидејќи треба $\text{Arg}(z) \in (-\pi, \pi]$)

$$= \frac{\sqrt[6]{2^5}}{2} \left[\cos \left(\frac{19\pi}{12} - 2\pi \right) + i \sin \left(\frac{19\pi}{12} - 2\pi \right) \right]$$