した。一ト②解答例.

すの 杉とは
$$26 = (53点, 7まり 2 = e^{\frac{2mt!}{6}\pi c} (m=0.1,2,...,5)でまた 名 M = 0.1,..., 5 について $a_m = e^{\frac{2mt!}{6}\pi c} とおと$$$

$$a_m \neq h'$$
) $f(z) = \frac{1}{(z-a_0)(z-a_1)\cdots(z-a_5)}$

$$=\frac{1}{(z-a_m)}\cdot J_m(z)$$

$$\frac{1}{g_m(a_m)} = \lim_{z \to a_m} \frac{1}{f(z)(z-a_m)} = \lim_{z \to a_m} \frac{(z^6+1)-(a_m^6-1)}{z-a_m}$$

$$= \frac{d}{dz}\Big|_{z=q_{m}}(z_{6+1}) = 6.0 m$$

5,2 GMETNICTS JO Taylor REPARE

$$g(z) = \sum_{n=0}^{\infty} (c_n^{(m)} \cdot (z-a_m)^n) + z + 3 + z$$

$$C_0^{(m)} = g_m(a_m) = (6 \cdot a_m^5)^{-1} = \frac{1}{6} \cdot e^{-\frac{5}{6}(2m+1)\pi i} = \frac{1}{6} \cdot e^{\frac{2m-5}{6}\pi i}$$

とおかる.

$$f(z) = \frac{1}{z - a_m} \sum_{n=0}^{\infty} C_n^{(n)} (z - a_m)^n = \frac{C_0^{(m)}}{z - a_m} + \sum_{n=0}^{\infty} C_{n+1}^{(m)} (z - a_m)^n$$
If $f(z) = \frac{1}{z - a_m} \sum_{n=0}^{\infty} C_n^{(m)} (z - a_m)^n$
If $f(z) = \frac{1}{z - a_m} \sum_{n=0}^{\infty} C_n^{(m)} (z - a_m)^n$

Res
$$(+; a_m) = C_0^{(m)} = \frac{(-2m-5\pi)^2}{6} = \frac{2m-5\pi}{6}$$

$$(++-a_m)$$

$$T_{1}:[o,R] \rightarrow C \quad f_{1}(t):=t \quad t^{-1} \not\equiv t^{2} f_{1}$$

$$T_{2}:[o,R] \rightarrow C \quad f_{2}(t):=t \quad t^{-1} \not\equiv t^{2} f_{1}$$

$$T_{3}:[o,R] \rightarrow C \quad f_{3}(t):=t \quad t^{-1} \not\equiv t^{2} f_{1}$$

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