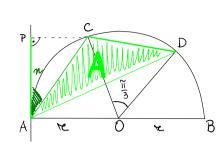


Problemi

p. 1470 nº 585



•
$$y = P(n) = \frac{\overline{AP \cdot CD}}{A(ACD)}$$

$$\begin{array}{c}
\Lambda \\
PAC = M \\
O < M \le \frac{31}{3}
\end{array}$$

$$\overline{CD} = 2r \cdot seu \frac{\gamma_3}{2} = 7$$

$$A = \frac{1}{2} \overline{AC} \cdot \overline{AD} \cdot \text{Seu} = \frac{1}{6} = \frac{1}{2} \cdot 2\pi \text{ seu } n \cdot 2\pi \text{ seu} \left(n + \frac{\pi}{6}\right) \cdot \frac{1}{2} = \frac{1}{2} \cdot 2\pi \text{ seu } \left(n + \frac{\pi}{6}\right) \cdot \pi^{2}$$

• AD = 2tc cos
$$\left[\frac{\hat{i}}{2} - n - \frac{\hat{i}}{6}\right] =$$

= 2tc sem $\left(n + \frac{\hat{i}}{6}\right)$

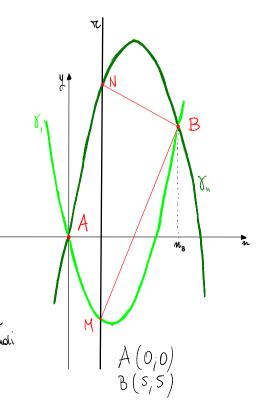
$$f(n) = \frac{\overline{AP \cdot CD}}{A(ACD)} = \frac{2\pi \operatorname{seat} M \cos M \cdot \pi}{\operatorname{seat} N \cdot \operatorname{seat} (n + \frac{\pi}{6}) \pi d} = \frac{2 \cos N}{\operatorname{seat} (n + \frac{\pi}{6})}$$

••
$$\lim_{c \to a} f(n) = \lim_{n \to 0} \frac{2 \cos n}{\sin(n + \frac{\pi}{6})} = \frac{2}{1/2} = 4$$

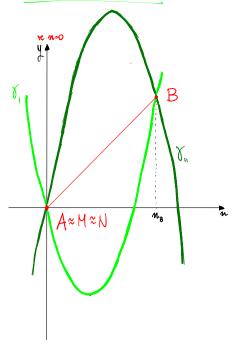
$$V = n^2 - 4n$$

$$V_{ij}: \qquad y = -n^2 + 6n$$

$$Y_{i} \cap Y_{ii} = \{A_{i}, B\} \mid \mathcal{N}_{A} < \mathcal{N}_{B}$$



DEDUZIONE GEOHETPICA



calcoliamo il limite algebricamente, trovando prima la funzione

$$P(K) = \frac{\overline{MB}}{NB}$$

$$M: \begin{cases} \mathcal{N} = \mathcal{K} \\ \mathcal{M} = \mathcal{N}^2 - \mathcal{L} \mathbf{n} \end{cases}$$

$$N: \begin{cases} \mathbf{n} = \mathcal{K} \\ \mathbf{y} = -\mathbf{n}^2 + 6\mathbf{n} \end{cases}$$

N:
$$\begin{cases} n-k \\ y=-n^2+6n \end{cases}$$

$$MB = \sqrt{(5-K)^2 + (K^2 - 4K - 5)^2}$$

$$M(K_{j} K^{2}-4K) \qquad N(K_{j}-K^{2}+6K)$$

$$MB = \sqrt{(5-K)^{2}+(K^{2}-4K-5)^{2}} \qquad NB = \sqrt{(K-5)^{2}+(K^{2}-6K+5)^{2}}$$

$$\oint (K) = \frac{\sqrt{(5-K)^2 + (K^2 - 4K - 5)^2}}{\sqrt{(K-5)^2 + (K^2 - 6K + 5)^2}} = \sqrt{\frac{(5-K)^2 + (K^2 - 4K - 5)^2}{(K-5)^2 + (K^2 - 6K + 5)^2}}$$

$$\lim_{\kappa \to 0} \sqrt{\frac{\left(5 - \kappa\right)^2 + \left(\kappa^2 - 4\kappa - 5\right)^2}{\left(\kappa - 5\right)^2 + \left(\kappa^2 - 6\kappa + 5\right)^2}} = \sqrt{\frac{\left(5 - 0\right)^2 + \left(0^2 - 4 \cdot 0 - 5\right)^2}{\left(0 - 5\right)^2 + \left(0^2 - 6 \cdot 0 + 5\right)^2}} = \sqrt{\frac{25 + 25}{25 + 25}} =$$

