

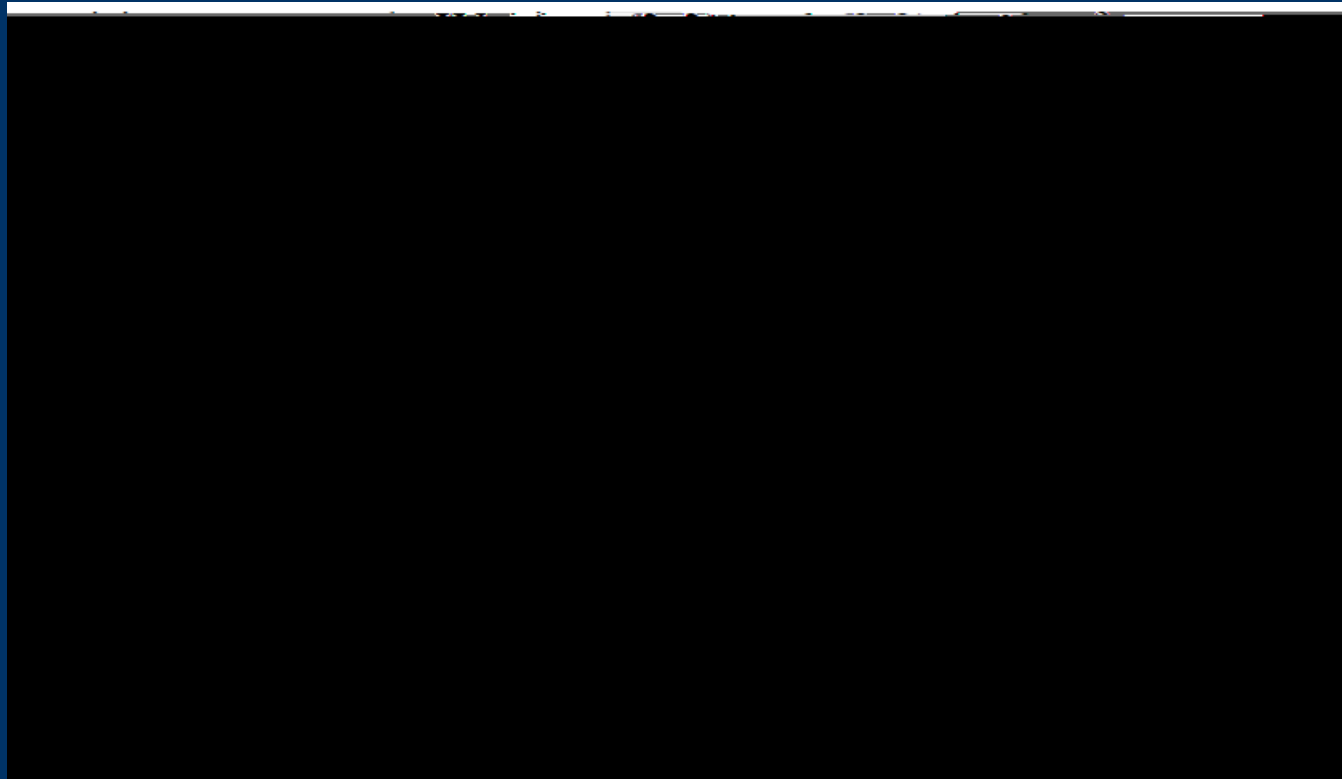


Chapter 11: CONSTRUCTION OF SERIES  
 For  $x$  real, and for  $n$  large

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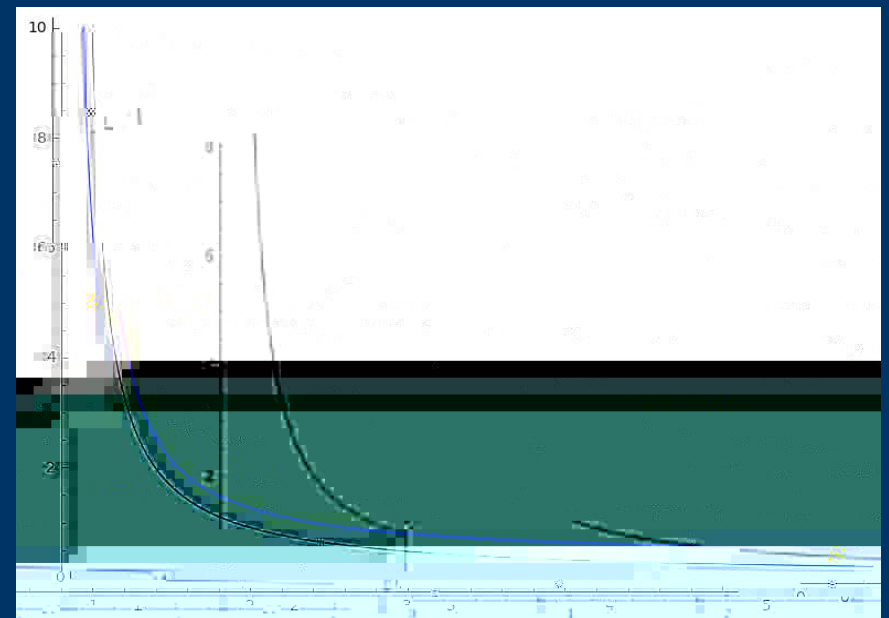
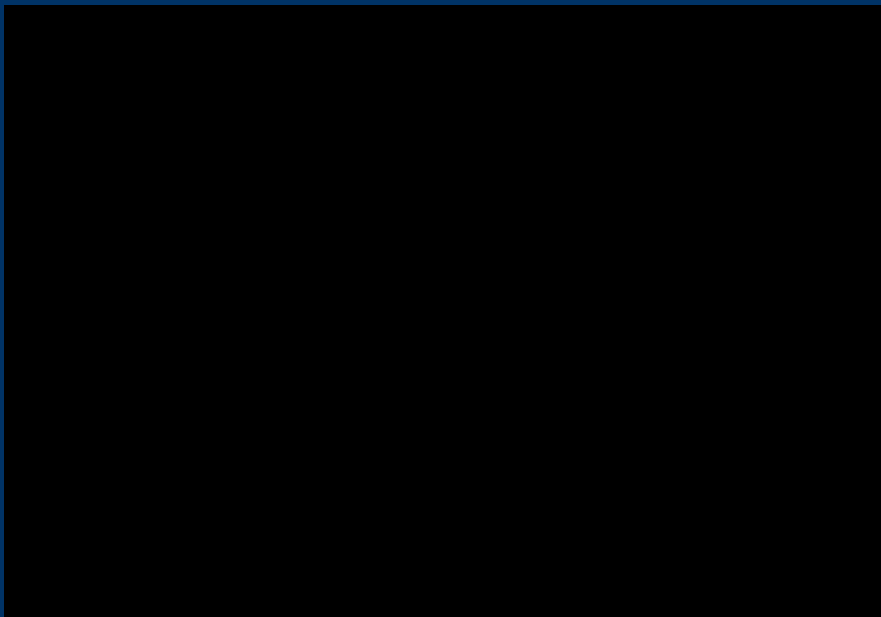






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$$\begin{aligned} & \exists n_0 \in \omega^+ \text{ s.t. } \forall m \geq n_0 \\ & \quad \left( \sum_{n=0}^{m-1} \|x_n - x\| + \frac{\epsilon}{2} \right) D(\bar{x}) = 0 \end{aligned}$$

6.  $f: \mathbb{R} \rightarrow \mathbb{R}$  is continuous and  $f(x) = 0$  for all  $x \in \mathbb{R}$ . Then  $f(x) = 0$  for all  $x \in \mathbb{R}$ .