

converges uniformly by: **Arzelà-Ascoli theorem**
(bounded pointwise and equicontinuity)

Arzelà-Ascoli theorem (uniform convergence)
converges uniformly by: **Arzelà-Ascoli theorem**

Properties of continuous compact submanifolds, are covered by **Arzelà-Ascoli theorem**

Why do you think compactness is not sufficient?
Example (show that pointwise limit is not compact)

What is the difference between a compact set and a closed set?
Yes

Arzelà-Ascoli theorem (uniform convergence) (closed subset of $C([a, b])$)
is compact by 2

What is the difference between a compact set and a closed set?
Arzelà-Ascoli theorem

Arzelà-Ascoli theorem (uniform convergence)
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M Carnoy



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