NOTES

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(1) In non-negative extended real number system, fundamental convergence thm is the monoton convergence thm. On the contrary, in real number system, fundamental convergence thm is the dominated convergence thm.

(2) Let $\mathcal{I}$ be an index set. We can define infintely many summation like this: $\sum_{i\in\mathcal{I}} x_i = \sup_{F\subset\mathcal{I},\text{ finite}} \sum_{i\in F} x_i$

(3)

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