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1.2 linear operators,

1.3 the norm of a linear operator

$$\|T\| = \sup\{\|Tx\| \mid \|x\| \leq 1\},$$

1.4 Banach spaces.

2. We showed that the operator norm is in fact a norm.

3. We showed that $B(\Omega, \Lambda)$ is a Banach space whenever Λ is a Banach space.

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