ON STEADY

The Bright Side of Mathematics



X, Y Banach spaces

 $\top \colon \mathsf{X} \supseteq \mathbb{D}(\mathsf{T}) \longrightarrow \mathsf{Y}$

densely defined operator

 $\implies T': Y' \supseteq D(T') \longrightarrow X'$

(Banach space) adjoint operator

 $T: X \supseteq \mathbb{D}(T) \longrightarrow Y$

X, Y Hilbert spaces

densely defined operator

 $\implies \top^*: Y \supseteq \mathbb{D}(\mathsf{T}^*) \longrightarrow X$

(Hilbert space) adjoint operator

$$\implies T^* = C_{\chi} T' C_{\gamma}$$