Povzetek vsebine

Za ideal $\mathcal{L}$ iz $\mathcal{B}(\mathcal{H})$ pravimo, da je praideal, če iz $AXB \in \mathcal{L}$ za $\forall X \in \mathcal{B}(\mathcal{H})$ sledi A ali B je v $\mathcal{L}$. Edina normabilna praideala sta $\{0\}$ in $\mathcal{C}$, ideal kompaktnih operatorjev. Lastnost "biti praideal" je povezana z drugimi lastnostmi, ki jih lahko ima ideal. Ideal operatorjev končnega ranga je tudi praideal, ni pa normabilen. To pomeni, da gà ne moremo tako normirati, da bi bil poln prostor. Pokazali bomo, da obstaja vsaj še en nenormabilen praideal.

Key words: compact operators, normed ideals, prime ideals.

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