

# $C([0, 1])$ como espaço de Gurarii

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Gurarii's space  $G$  (1965) is a separable space of *approximate universal disposition*, meaning that for any pair of finite dimensional spaces  $E \subset F$  and any isometric linear embedding  $t$  of  $E$  into  $G$ , and for any  $\epsilon > 0$ , there exists an isometric embedding  $T$  of  $F$  into  $G$  such that  $\|T|_E - t\| \leq \epsilon$ . Lusky (1976) proved that this defines  $G$  in a unique way, up to linear isometries.

It is well-known that  $G$  is isometrically universal for separable Banach spaces, yet it is not isomorphic to  $C(0, 1)$ . However we prove that there is a renorming of  $C(0, 1)$  which turns it into a space with a Gurarii type property inside a certain category of Banach lattices.

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