

Subalgebras of $C([0,1])$

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Hello,
consider the real algebra $C([0,1])$ of all continuous functions $f:[0,1] \rightarrow \mathbb{R}$. If S is a subalgebra of $C([0,1])$, containing the constant functions and the linear functions, does it contain all the polynomial functions on $[0,1]$?

Thank you very much for your help.

My Best Regards,

Maury

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