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Field Extensions Having the Unique Subfield Property, and G-Cogalois Extensions

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**Abstract:** We present a short proof, based on Cogalois Theory, of a result due to Acosta de Orozco and Vélez (1982, J. Number Theory 15, 388-405) characterizing separable simple radical field extensions with the unique subfield property, and prove that these extensions are precisely the simple G-Cogalois extensions with a cyclic Kneser group.

**Key Words:** Field extension, separable extension, simple extension, radical extension, G-Cogalois extension, unique subfield property, classical Kummer extension.



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