



Math for the people, by the people.

solvable by radicals

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Let  $F$  be a field and  $f(x) \in F[x]$ . Then  $f(x)$  is *solvable by radicals* if there exists a radical extension  $K/F$  such that  $f(x)$  factors into linears when considered as an element of  $K[x]$ .