



Math for the people, by the people.

composite field

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Let $\{K_\alpha\}$, $\alpha \in J$, be a collection of subfields of a field L . The *composite field* of the collection is the smallest subfield of L that contains all the fields K_α .

The notation K_1K_2 (resp., $K_1K_2 \dots K_n$) is often used to denote the composite field of two (resp., finitely many) fields.