ON DEFECTLESS AND TAME FIELDS

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We discuss the relation between two important classes of valued fields: tame fields and defectless fields. For valued fields of equal characteristic and a certain class of valued fields of mixed characteristic we give a characterization of tame fields. We show that in general in the mixed characteristic case this characterization may not be true. We also introduce a wider class of quasi-tame fields and describe their relation with defectless fields.

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