Good reduction of K3 Surfaces in equicharacteristic *p*

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Abstract. We show that for smooth and proper varieties over local fields with no non-trivial vector fields, good reduction descends over purely inseparable extensions. We use this to extend the Néron–Ogg–Shafarevich criterion for K3 surfaces of [5] to the equicharacteristic p > 0 case.

Mathematics Subject Classification (2020): 14J28 (primary); 11G25, 14F30 (secondary).