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Dynamical Belyi maps

We study the dynamical properties of a large class of rational maps on \mathbb{P}^1 with exactly three ramification points, answering a question of Silverman about the number of conservative maps of degree d defined over \mathbb{Q} . We explicitly construct two infinite families of examples of such maps. Rather precise results on the reduction of these maps yield strong information on the \mathbb{Q} -dynamics.