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A dynamical version of the Mordell–Lang Theorem

We prove a dynamical version of the Mordell–Lang conjecture for the affine line. We use methods from number theory and model theory. From number theory we use analytic methods similar to the ones employed by Skolem, Chabauty and Coleman for studying diophantine equations. From model theory we use an uniform statement due to Scanlon for the Manin–Mumford problem on the additive group scheme.