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Leonid Bunimovich* (bunimovh@math.gatech.edu). *Coexistence of regular and chaotic regions without defocusing and stickiness.*

We will present examples of billiards with smooth boundary and divided phase space (into regions with regular and with chaotic dynamics), where there is no defocusing after each reflection off the boundary in chaotic region and no stickiness near the boundary(ies) of regular region(s). (Received December 01, 2012)