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Backward-iteration sequences and boundary repelling fixed points in higher dimension. Preliminary report.

I consider sequences of iterates of an analytic self-map f of the unit ball in \mathbb{C}^N . I will show that backward-iteration sequences with bounded hyperbolic step must converge to the boundary, and the limiting points will satisfy some properties, so they will be called boundary repelling fixed points. Conjugations for f near those points will be discussed. (Received August 01, 2009)