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Robert L Benedetto*, Dept of Math & CS, Amherst College, Amherst, MA 01002. *Another n -point abc Conjecture.*

We will interpret the abc conjecture as a statement about four points in the projective line. For function fields of characteristic zero, where the abc conjecture is a theorem, we will consider generalizations corresponding to n points in the projective line. Analogous conjectures can then be made for number fields. If time permits, we will also consider applications of such conjectures to arithmetic problems, such as Morton and Silverman's conjecture that there is a uniform bound for the number of rational preperiodic points of a morphism defined over a number field. (Received February 18, 2007)