1135-47-1450   **Linda J Patton*** (`lpatton@calpoly.edu`), Mathematics Department, Cal Poly, San Luis Obispo, CA 93407. *Nevanlinna-Pick interpolation on the boundary of the bidisk.* Preliminary report.

When the Nevanlinna-Pick interpolation theorem is extended to the boundary of the unit disk with angular derivative values included, calculations similar to those in the Carathéodory-Julia theorem arise naturally. Over the last few years, Agler, McCarthy, Young, Pascoe, and Tully-Doyle and others have described the extent to which Carathéodory-Julia results generalize to the bidisk. These ideas will be used to discuss Pick interpolation with analogs of the angular derivative on the boundary of the bidisk. (Received September 22, 2017)