1038-42-277   **Ciprian Demeter** and **Christoph Thiele***, Department of Mathematics, UCLA, Los Angeles, CA 90095-1555. *The Bilinear Hilbert Transform in 2D.* Preliminary report.

We discuss some recent work on variants of the bilinear Hilbert transform in two dimensions. Our interest in the subject stems from connections to celebrated problems about pointwise convergence of ergodic averages. (Received February 11, 2008)