

SOME POSITIVE RESULTS ON SIMULTANEOUS STABILIZATION

BULENT A. OZGULER AND NAZLI A. GUNDES

ABSTRACT. A recent result of [1] on simultaneous stabilization of a family of plants is re-derived with some major simplifications. The result is that, under mild conditions, a finite number of LTI plants having unstable zeros of fixed multiplicities only at the origin and/or at infinity admit a common stabilizing controller.