

118. Zvi Artstein, **Sensitivity estimates via Lyapunov functions and Lyapunov metrics.** In Optimization Theory and Related Topics, Contemporary Mathematics, vol. 568, Amer. Math. Soc., Providence, RI, 2012, pp. 1-17

Abstract. Invoking Lyapunov functions and Lyapunov metrics, error estimates are provided for fixed points and for trajectories of perturbations from contraction-like mappings. The construction of the Lyapunov metric itself is also addressed and examples are provided.

For a copy of this paper send a request to zvi.artstein@weizmann.ac.il