

19. Zvi Artstein, **Limiting equations and stability of nonautonomous ordinary differential equations**. An appendix in *The Stability of Dynamical Systems*, by J.P. LaSalle, Regional Conference Series in Appl. Math. 25, SIAM Publications, 1976.

Abstract. Limiting equations of time varying ordinary differential equations are limit points in an appropriate notion of the time translates of the equation. Compactness in an appropriate sense of the family of translates allows to draw information about the asymptotic behavior of solution to the equation from the structure of the limiting equations. The paper displays compactness possibilities, including methods to incorporate unordinary differential equations as limiting equations. In variance properties and consequences related to stability of the system are derived.

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