1023-34-1433   **Zhivko S. Athanassov*** (`zhivko@math.bas.bg`), G. Bonchev str. 8, 1113 Sofia, Bulgaria.
Stability of Invariant Sets for Functional Differential Equations.

Necessary and sufficient conditions of stability and asymptotic stability of invariant sets for functional differential equations with finite delay are presented by means of prolongations in the sense of T. Ura. Conditions of asymptotic stability and global asymptotic stability of the zero solution are obtained as corollaries. (Received September 26, 2006)

1