The linear scalar differential equation with several delays

\[ x'(t) = - \sum_{i=1}^{N} b_i(t)x(t - \tau_i(t)) \]

is investigated, where \( b_i(t) \in C(\mathbb{R}^+, \mathbb{R}) \) and \( \tau_i(t) \in C(\mathbb{R}^+, \mathbb{R}^+) \) for \( i = 1, 2, \ldots, N \). Using fixed point theory, some new conditions for asymptotic stability of the zero solution are established. For \( N = 1 \), our theory improves the results in the earlier publications. For \( N = 2 \), two examples, which the results in the literature can not be applied to, are given to show the feasibility and effectiveness of our result.

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