A. Kh. Gelig, A. D. Churilov: STABILITY AND OSCILLATIONS OF NONLINEAR
PULSE-MODULATED SYSTEMS. Birkhäuser Verlag Basel, 1998, xiii + 362 p., DM 148.–

The fundamental mathematical methods for studying stability and oscillations in control
systems of the form

$$\frac{\mathrm{d}x}{\mathrm{d}t} = Ax + bf$$

are presented in the book. Pulse modulated systems of various types are dealt with, which
can be applied in communications and control. The presentation is in the form suitable for
engineers. Original approaches of the authors (mostly averaging methods) are presented.

Štefan Schwabik