



18.
$$\int_a^x \sinh[\lambda(x-t)]y(t) dt = f(x), \quad f(a) = f'_x(a) = 0.$$

Solution:
$$y(x) = \frac{1}{\lambda} f''_{xx}(x) - \lambda f(x).$$

Reference

Polyanin, A. D. and Manzhirov, A. V., *Handbook of Integral Equations*, CRC Press, Boca Raton, 1998.