

14.
$$\int_{a}^{x} \cosh[\lambda(x-t)]y(t) dt = f(x), \qquad f(a) = 0.$$

Solution:
$$y(x) = f'_x(x) - \lambda^2 \int_a^x f(x) dx$$
.

Reference

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

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