



24. $\int_a^x \cos[\lambda(x-t)]y(t) dt = f(x), \quad f(a) = 0.$

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.