



8.
$$\int_0^{\infty} \frac{y(x+t) - y(x-t)}{t} dt = f(x).$$

Solution:
$$y(x) = -\frac{1}{\pi^2} \int_0^{\infty} \frac{f(x+t) - f(x-t)}{t} dt.$$

References

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