





them integral is 100 1 S(t-2) cos2(t-c)dt

Now, we apply the peroperty of the Dirac Lette

function:

$$\int_{-\infty}^{90} \int_{60}^{1} 8(t-\frac{a}{5}) \cos^{2}(t-c) dt = \int_{b}^{1} \cos^{2}(\frac{a}{b}-c)$$

We applied the following posoporties to solve the indeposition:

① Scaling Possepearly's
$$S(bt-a) = \frac{1}{|b|}S(t-\frac{a}{b})$$