

Let α and β be the distinct roots of $ax^2+bx+c=0$, then $\lim_{x \rightarrow \alpha} \frac{1 - \cos(ax^2 + bx + c)}{(x - \alpha)^2}$ is equal to (2005)

1) $\frac{a^2}{2}(\alpha - \beta)^2$

2) 0

3) $-\frac{a^2}{2}(\alpha - \beta)^2$

4) $\frac{1}{2}(\alpha - \beta)^2$