i, (mc+md) i(t-t) - i, (mc+md) i(t)

=-iv(mc+md) i(t)-+(t-T) + mc i(t) + memd i(t-T)

lim T->0

= (mc+mcm4) i(t) - iv(mc+md) di(t)

In (S) = memd - Event S In (S) memd - Event S

= 9 iv (me+ma) ( mc+ma) - S)

= 9 in (metro) ( mc -s)

$$\frac{V_{cg}}{L} = \frac{V_{cg}}{L} = \frac{V_{cg}}{V_{cg}} = \frac{V_{cg}}{V_{$$