crosses at some point tind the equations of suctingent lines at Solution.

Assume the arrow crosses at

\[\frac{1}{1} \]

\[\frac{1} 11/2 2-4 Cos2t, = 2-4 Cos2t2 =) 1-26052 t1 = 1-26052 t2 tant, (1-2652t7) = tantz (1-2605tz) =temtz(1-2657E1) (tant_1-tent_2)(1-2602t,)=0 -II LECTE tant, + tant. $t_1 = -II$ and $t_2 = II$ dy=Seet(1-2lost)+4+antCostSmit & Cost Smt t=t/4
dy = 8ee (#) (1-2cos 2(1/4)) + 4 tom t cos (#) &m (#) S Cos (II) Em (II)

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at	t = -T
	AN I
	$\frac{dy}{dx} = -\bot$
	Alm observe at t=II
	y
	$(x_{(4)}) = (0,0)$
	J= IX { Equations of tangents.
	1 L'Equations
	and $y = -1x$ of tangents.
	2