7sint-8sin^3 t=0
8cos^3 t - 7cost=0

sint(7-8sin^2 t)=0
-cost(7-8cos^2 t)=0
sint=0
t=Pk
cost=0
t=2Pk
error

sint=0
t=Pk
7-8cos^2 t=0
cos^2 t=⅞
1+cos2t=14/8
cos2t=¾
2t=+-arccos3/4+2Pk
t=+-1/2arccos3/4+Pk
error

7-8sin^2 t=0
sin^2 t=⅞
1-cos2t=14/8
cos2t=-¾
t=+-1/2arccos-3/4 +Ph
cost=0
t=P/2+Pk
error

7-8sin^2 t=0
7-8cos^2 t=0
t=+-1/2arccos-3/4 +Ph
t=+-1/2arccos3/4+Pk
error

нет решений