

TargetHitCalculations

Assault Breaker Problem

Probability(Missiles Impacts different targets)

10 = Number of Targets

N Missiles	Pi/[1,i]	Cum(Pi/1,i)	Percent of Cum(Pi/1,i)%	Approximation $e^{(-N*(N-1)/(2T))}$
1	1	1	100	100.00
2	0.9	0.9	90.00	90.48
3	0.8	0.72	72.00	74.08
4	0.7	0.504	50.40	54.88
5	0.6	0.3024	30.24	36.79
6	0.5	0.1512	15.12	22.31
7	0.4	0.06048	6.05	12.25
8	0.3	0.018144	1.81	6.08
9	0.2	0.0036288	0.36	2.73
10	0.1	0.00036288	0.04	1.11

TargetHitPlot

Probability of SingleTarget Hit on Seperate Tanks

