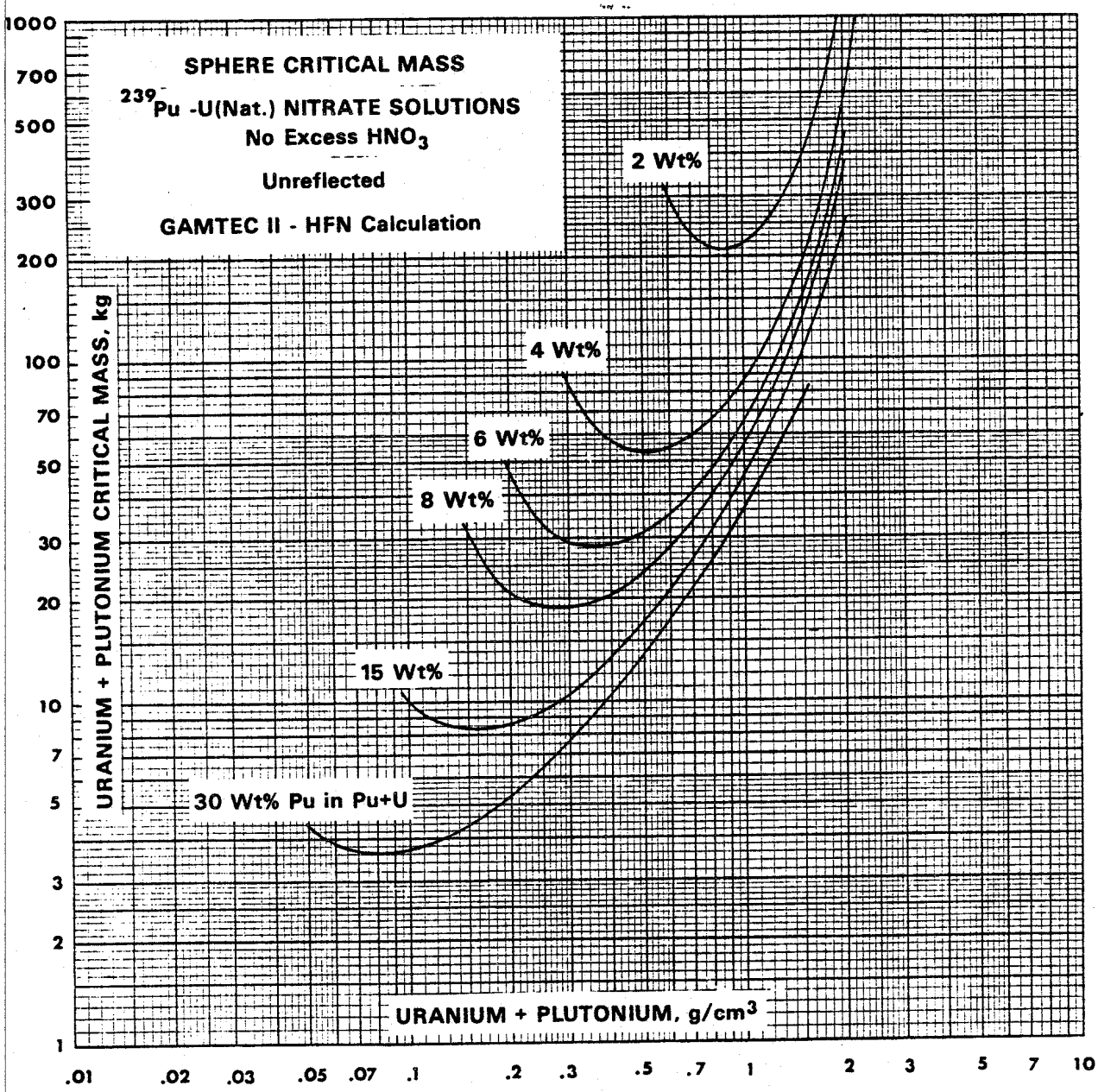
SPHERE CRITICAL MASS
239Pu -U(Nat.) NITRATE SOLUTIONS
No Excess HNO3
Unreflected
GAMTEC II - HFN Calculation
2 Wt%
4 Wt%
6 Wt%
8 Wt%
15 Wt%
30 Wt% Pu in Pu+U
URANIUM + PLUTONIUM CRITICAL MASS, kg
URANIUM + PLUTONIUM, g/cm3
1000
700
500
300
200
100
70
50
30
20
10
7
5
3
2
1
.01
.02
.03
.05
.07
.1
.2
.3
.5
.7
1
2
3
5
7
10