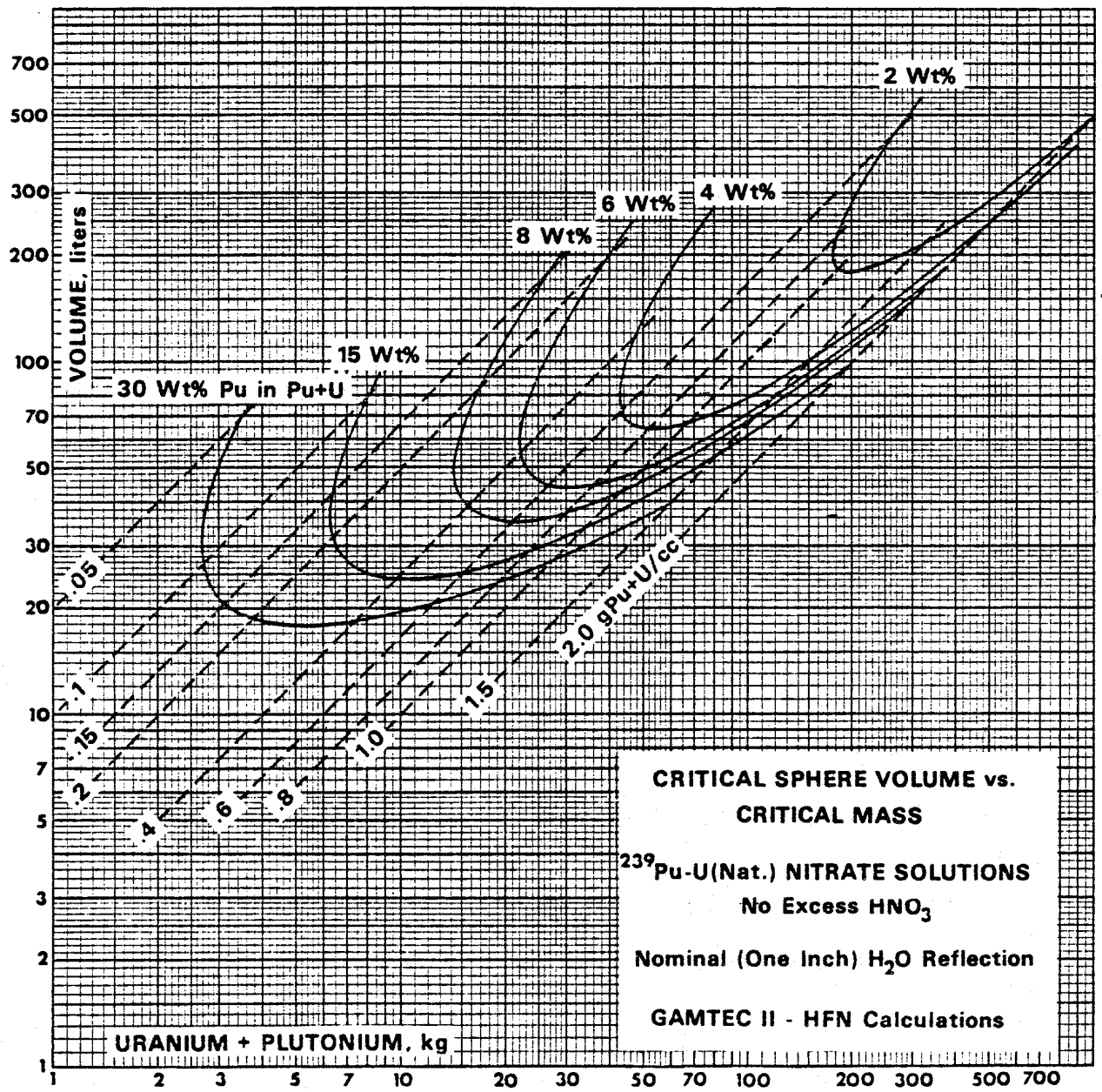
VOLUME, liters
700
500
300
200
100
70
50
30
20
10
7
5
3
2
1
2 Wt%
4 Wt%
6 Wt%
8 Wt%
15 Wt%
30 Wt% Pu in Pu+U
.05
.1
.15
.2
.4
.6
.8
1.0
1.5
2.0 gPu+U/cc
CRITICAL SPHERE VOLUME vs.
CRITICAL MASS
239Pu-U(Nat.) NITRATE SOLUTIONS
No Excess HNO3
Nominal (One Inch) H2O Reflection
GAMTEC II - HFN Calculations
URANIUM + PLUTONIUM, kg
1
2
3
5
7
10
20
30
50
70
100
200
300
500
700