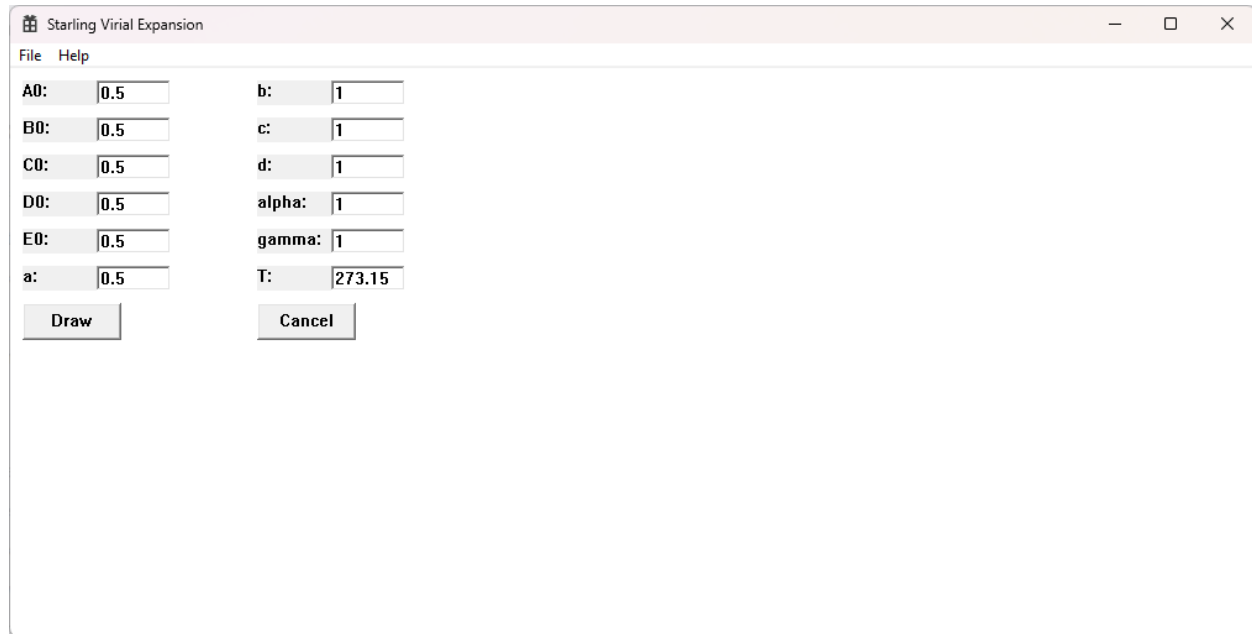


Blog Entry © Saturday, October 11, 2025, by James Pate Williams, Jr., Starling's Virial Expansion for a Real Gas or Liquid 1972

Reference: [Virial expansion - Wikipedia](#)



The image shows a screenshot of a software window titled "Starling Virial Expansion". The window has a menu bar with "File" and "Help". Below the menu bar, there are two columns of input fields. The left column contains fields for A0, B0, C0, D0, E0, and a, all with a value of 0.5. The right column contains fields for b, c, d, alpha, gamma, and T, with values 1, 1, 1, 1, 1, and 273.15 respectively. At the bottom of the input fields, there are two buttons: "Draw" and "Cancel".

Parameter	Value
A0:	0.5
B0:	0.5
C0:	0.5
D0:	0.5
E0:	0.5
a:	0.5
b:	1
c:	1
d:	1
alpha:	1
gamma:	1
T:	273.15

Buttons: Draw, Cancel

Graph of Density Versus Compressibility

