Proposal Abstract J122.1(A81)

1. **Arms Control Problem:**
   Nuclear weapons – peaceful nuclear explosions

2. **Verification Type:**
   Remote sensors

3. **Source:**
   Kamegai, Minao. "Applying Computer Modeling to Verification".
   National Defense (November 1981): 38-40.

4. **Summary:**
   The paper outlines a model by which computer technology combined with "above ground monitoring" can estimate the yield of one kind of peaceful nuclear explosions (those which are underground and which vent to the atmosphere). The author suggests that his calculations also show that monitoring PNEs would be essential because the USSR could use similar computer models to "determine the optimum depth at which to explode a device so as to make gas venting most obscure and seismic coupling most inefficient" (p.40).