Electric field intensity in a spherical capacitor. Consider a charged spherical capacitor with a dielectric (possibly non-homogeneous). Designating by r the radial distance of an arbitrary point from the capacitor center, the magnitude of the electric field intensity, $\mathbf{E}$, between the capacitor electrodes is

(A) inversely proportional to r.
(B) inversely proportional to r^2.
(C) inversely proportional to $\ln r$.
(D) uniform.
(E) need more information.

Solution: (E) *Answer:* (E)