Wakefield 3.

Charge a coaxial cable to +v. Apply a short at the right hand end. Monitor either the mid point, "MID", or the left hand end, "LH".

The predicted waveforms will be as below.

One explanation will be that a "steady charged capacitor" is not steady at all. It has energy v/2 travelling to the right and energy v/2 travelling to the left before the RH short was applied.

Is there an explanation of these predictions based on the theory that a charged capacitor has a stationary electric field?

Ivor Catt. 25 April 2018