

## apex current

**Also contains definitions of:** apex, apex potential

In measurement of non-faradaic admittance (or tensammetry), a plot of alternating current against applied potential shows a minimum or maximum when a non-electroactive substance undergoes adsorption or desorption at the surface of the indicator electrode. Such a maximum or minimum may be called an apex to emphasize its non-faradaic origin and distinguish it from a 'summit', which would result from a charge-transfer process. The highest value of the current on such an apex may be called an apex current, and the corresponding applied potential may be called an apex potential.

**Source:**

PAC, 1985, 57, 1491 (*Recommended terms, symbols, and definitions for electroanalytical chemistry (Recommendations 1985)*) on page 1494