

## mixed potential

The value of the potential of a given electrode with respect to a suitable reference electrode when appreciable contributions to the total anodic and/or cathodic partial currents are made by species belonging to two or more different couples, but the total current is zero, i.e.

$$I = \sum_i I_i = 0 \quad (I_i \neq 0)$$

where  $I_i$  is the partial current of reaction  $i$

$$I_i = I_{i,a} + I_{i,c}$$

**Source:**

PAC, 1974, 37, 499 (*Electrochemical nomenclature*) on page 513