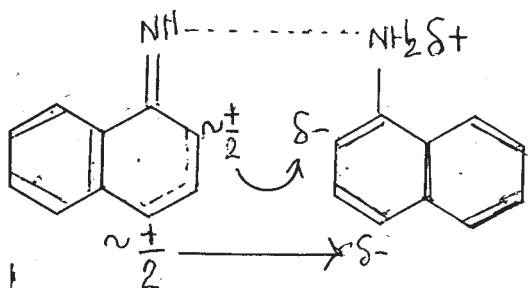
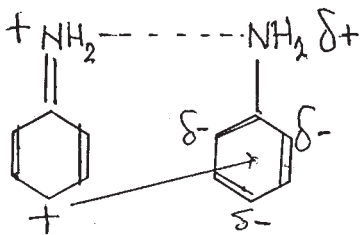


3

and naphthalene series of hydrazo-compounds.



It is shown kinetically, that hydrazobenzene requires two protons for rearrangement. When the electrostatic NN-bond is created, the carbonium ionic charge, fixed in the para-position, approaches the centroid of the fractional negative charges, and starts forming 4,4'- and 4,2'-biaryl bonds, but no 2,2'-biaryl bond.

It is shown kinetically that 1,1'-hydrazonaphthalene needs only one proton for rearrangement. When the electrostatic NN-bond is created, the divided carbonium ionic charges become congruent with the fractional negative charges, so starting the formation of 4,4'- and 2,2'-biaryl bonds, but not of a 4,2'-biaryl bond.

CK Ingold
 Tokyo. 25 Oct. 1969