

On Classification of Plasmachemical Processes and  
certain Kinetic Peculiarities in Quasi-Equilibrium and  
Non-Equilibrium Conditions

Y. L. Khait

Classification of plasmachemical processes is suggested. This classification takes into account three groups of criteria which reflect properties of the processes essential for both their study and application:

- a) physical-chemical peculiarities of those processes,
- b) the factors that are essential for different technological applications,
- c) the aspects which are important for mathematical modeling of the processes under consideration.

Some kinetic characteristic and peculiarities of different types of quasi-equilibrium and non-equilibrium plasmachemical processes are considered. Both phenomenological methods and the method of kinetic theory are used.

Prof. Y. L. Khait  
Solid State Institute  
Technion  
Technion City, Haifa, Israel