
Identification of the solvent concentration dependence of the erosion stage surface on the dissolution radius

© T.S. Kitaeva

Kaluga Branch of Bauman Moscow State Technical University, Kaluga, 248000, Russia

The main purpose of the article is to identify how the solvent concentration on the surface level depends on the radius of erosion. The findings of the research helped to determine the rate of dissolution of the side surface and calculate the period of time when wearing of the dilution chamber can occur.

Keywords: *dissolution camera, dissolution parameters, concentration, non-solvent, control.*

REFERENCES

- [1] Arens V.Zh. *Geotekhnologicheskie metody dobychi poleznykh iskopayemykh* [Geotechnological methods of mining]. Moscow, Nedra Publ., 1998.
- [2] Aksel'rud D.A. Molchanov A.D. *Rastvorenije tverdykh tel* [Solid Bodies Dissolution]. Moscow, Khimiya Publ., 2001.

Kitaeva T.S. (b. 1949) graduated from Gorky State University. Ph.D., Assoc. Professor of the Physics Department, Kaluga Branch of Bauman Moscow State Technical University. Research interests include the dissolution of underground salt, control of process parameters. e-mail: tamara.kitaeva.49@mail.ru
