

1135-35-3060      **Maxim Zyskin\*** ([maxim.zyskin@nottingham.ac.uk](mailto:maxim.zyskin@nottingham.ac.uk)), School of math, University of Nottingham, Nottingham, Nottingham NG7 2RD. *Mott moving boundary problem of metal oxidation.*

We describe a moving boundary type model of metal oxidation, and present local existence as well as numerical results. This problem has important applications, including nanopropellants (Received September 26, 2017)