1136-41-308 **Petr Gurka*** (gurka@tf.czu.cz), Department of Mathematics, Czech University of Life Sciences in Prague, 16521 Prague, Czech Rep. *Asymptotic estimates of s–numbers of Hardy-type operators.*

In a quite recent paper of D. E. Edmunds and J. Lang, Asymptotic formulae for s-numbers of a Sobolev embedding and a Volterra type operator published in Rev. Mat. Complut., 29(1), 2016) the authors obtained sharp upper and lower estimates of the approximation numbers of a Sobolev embedding involving second derivatives and of a corresponding integral operator of Volterra type. Possible extensions of these results for higher order derivatives will be discussed. (Received January 19, 2018)