Zariski-decomposition and Abundance

Noboru Nakayama

RESEARCH INSTITUTE FOR MATHEMATICAL SCIENCES, KYOTO UNIVERSITY, KYOTO 606-8502 JAPAN E-mail address: nakayama@kurims.kyoto-u.ac.jp

 $Dedicated\ to\ Professor\ Shigeru\ Iitaka\ on\ the\ occasion\ of\ his\ sixtieth\ birthday$

2000 Mathematics Subject Classification. 14C20, 14E30, 14J10, 14E15 Key words and phrases. Zariski-decomposition, toric varieties, minimal models, Kodaira dimension, plurigenera, abundance conjecture