Date: 2011. 11. 30.

タイトル TITLE	**Parabolic Reduction, Stability and Volumes of Fundamental Domains**		
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In this talk, we expose an intrinsic structure of volumes of fundamental domains for reductive groups G defined over number fields, in terms of parabolic reduction using stability. It claims that:

For any parabolic subgroup P of G, let $v_P = \prod_M v_M$ denote the product of v_M, the volumes of the fundamental domains associated to the Levi factors M of P and $u_P = \prod_M u_M$ denote the product of u_M, the volumes of moduli spaces of semistable points associated to the Levi factors M of P, then

$v_G = \sum_P c_P u_P$

and

$u_G = \sum_P \mathrm{sgn}(P) e_P v_P$

with c_P and e_P non-trivial positive rational numbers, where P runs over all standard parabolic subgroups of G.

This pair of relations is found with the help of Arthur's analytic truncation, Lafforgue's arithmetic truncation, and Langlands' theory of Eisenstein series.

A beautiful formula of Kontsevich for $SL(n, Z)$, obtained using Harder-Narasimhan filtrations, one of our starting points, and some examples with lower ranks obtained by 足立憲治 will be given.