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# MIXED FUNCTIONS OF STRONGLY POLAR WEIGHTED HOMOGENEOUS FACE TYPE

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## Abstract

Let  $f(\mathbf{z}, \bar{\mathbf{z}})$  be a mixed polynomial with strongly non-degenerate face functions. We consider a canonical toric modification  $\pi : X \rightarrow \mathbf{C}^n$  and a polar modification  $\pi_{\mathbf{R}} : Y \rightarrow X$ . We will show that the toric modification resolves topologically the singularity of  $V$  and the zeta function of the Milnor fibration of  $f$  is described by a formula of a Varchenko type.

**Date :** Wednesday, November 20, 2013

**Time:** 16:00

**Place:** IMBM Seminar Room, Boğaziçi University South Campus

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