## ABSTRACT

Given a toric manifold  $(M^{2n}, P^n)$ , with  $P^n$  having m facets Then for every sequence of positive integers  $J = (j_1, \ldots, j_m)$ we construct a toric manifold denoted by (M(J), P(J)), where if  $d(J) = \sum j_i$ , (M(J), P(J)) has dimension (2d(J) - 2m + 2n, d(J) - m + n). The original toric manifold corresponds to the sequence (1, 1, ..., 1) and is naturally embedded in M(J). The manifold  $M^{2n}$  comes with a locally standard action of the torus  $T^n$  and with a characteristic epimorphism  $\lambda: T^m \to T^n$ . A presentation of the cohomology ring  $H^*(M(J))$  is as the quotient of  $H^*(BT^m)$  by the sum of two ideals. One is the J-weighted Stanley-Reisner face ideal of  $P^n$  and the other is the "linear" ideal of  $M^{2n}$ , generated by the image of  $H^2(BT^n)$  in  $H^2(BT^m)$ under  $B^*(\lambda)$ .