## ERRATUM TO "REGULAR OVERRINGS OF REGULAR LOCAL RINGS"

BY

## JUDITH SALLY

Theorem 3.1 is incorrect for i > 1. It is not necessarily true, as stated in line (-6) on p. 293 of the proof, that  $(Q^2)' \cap R = (Q')^2 \cap R$ . The correct theorem is as follows.

THEOREM. Let (R, M) be an n-dimensional regular local ring, n > 1. Let  $x, x_1, \ldots, x_i$  be an R-sequence and  $T = R[x_1/x, \ldots, x_i/x]$ . Then T is an n-dimensional regular domain if and only if one of the following holds:

- (a) the elements  $x, x_1, \ldots, x_i$  form a subset of a minimal basis for M,
- (b) (1)  $x \in M^2$  and the elements  $x_1, \ldots, x_i$  form a subset of a minimal basis for M,
- (2) if P is the contraction in R of a rank n-1 maximal ideal of T containing x then either the elements  $x, x_1, \ldots, x_i$  form a subset of a minimal basis for  $P_P$  in  $R_P$  or  $x_1, \ldots, x_i$  form such a subset and  $x \in P^{(2)}$ .

The proof is an easy modification of that in the paper. If T is regular and (a) does not hold, then x must be in  $M^2$  as was shown. This means that  $x_1$ , ...,  $x_i$  form a subset of a minimal basis for M. Otherwise the generators of ker  $\phi$  would be linearly dependent mod  $(M, t_1, \ldots, t_i)^2$ . Conversely, if (b)(1) holds and  $T_N$  is not regular for some rank n maximal ideal N then, as was shown,  $x_i$  is in  $Q^2$ . This is a contradiction because it can be easily shown (as in Lemma 4.2) that  $x_i \notin Q_Q^2$ .

The statement of Corollary 3.6 must be changed accordingly, but none of the main results of the paper (§4-§6) are affected.

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