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CORRIGENDUM TO "COUNTABLY PARACOMPACT MOORE SPACES ARE METRIZABLE IN THE COHEN MODEL"

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CORRIGENDUM TO "COUNTABLY PARACOMPACT MOORE SPACES ARE METRIZABLE IN THE COHEN MODEL" [1]

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The idea of the proof is correct but the version given depends on the false assertion that since $Fn(\lambda,2,\omega)$ is "n-dowed," so is $Fn(\lambda,\omega,\omega)$. Although these two partial orders yield the same forcing extensions, they are not isomorphic. Both Alan Dow and J. Jin provided the following counterexample: take a maximal antichain A of elements in $Fn(\lambda,\omega,\omega)$ having 0 in their domain. Whatever finite subset F(A) of A is chosen, $\{\langle 0,1 + \max\{i: (\exists a \in F(A))(\langle 0,i \rangle \in a)\} \rangle\}$ is incompatible with each member of F(A). However in the paper of Dow I referred to, he proved that $Fn(\lambda,\omega,\omega)$ is n-dowed if we redefine that concept to include the extra restriction that range $p \subseteq n$. This weaker notion is sufficient to prove Lemma 1, for suppose in the given proof that $|\text{dom } p| + \max \text{range } p = k$. Since U meets infinitely many $H_{(n+k+1)\gamma}$'s we can find distinct γ_j, $j \leq n + 1$, $\gamma_j > \max \text{dom } p$, such that U meets $h_{n+k+1}(y_{\gamma_j})$, $y_{\gamma_j} \in Y_{\gamma_j}$. $p \wedge \Delta$ is a condition with domain of size $\leq n + k + 1$ and range $\subseteq n + k + 1$, so indeed the p_j's required in the proof exist.

The paper in preparation referred to in the bibliography as [TW] has now been incorporated into *New proofs of the*

[1] Top. Proc. 9 (1984), 145-148.

consistency of the normal Moore space conjecture by A. Dow, F. D. Tall, and W. Weiss, preprint.

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