

# Pacific Journal of Mathematics

**CORRECTIONS TO: "TOPOLOGICAL ENTROPY AND  
RECURRENCE OF COUNTABLE CHAINS"**

IBRAHIM SALAMA

ERRATA  
CORRECTIONS TO  
TOPOLOGICAL ENTROPY AND RECURRENCE OF  
COUNTABLE CHAINS

IBRAHIM A. SALAMA

Volume 134 (1988), 325–341

1. Table on page 326: For the transient case,  $F'(\Gamma, s, R) \leq \infty$  instead of  $= \infty$ .

2. Section 2, page 329:

- (i) Delete Theorem (2.3), proof of Theorem (2.3), and Corollary (2.6).
- (ii) Add the following:

**THEOREM (2.0).** *If  $R_0 < L_0$ , then  $\Gamma_0$  is positive recurrent. Hence, if  $\Gamma_0$  is transient or null recurrent, then  $R_0 = L_0$ .*

(Proof of this Theorem will be provided in a subsequent paper.)

**COROLLARY (2.3).**  *$R_0 < L_0$  if and only if  $F(\Gamma_0, s, L_0) > 1$ .*

3. Page 330, line 4 should read: To show  $R_0 = R_2$ , note that  $L_0 = L_2$ , and by Theorem (2.0),  $R_0 = L_0$ ,  $R_2 = L_2$ , hence  $R_0 = R_2$ .

4. Page 330, line 6 from the bottom should read: Finally, Corollary (2.4) follows from Theorem (2.0) and Theorem (2.2), and Corollary (2.5) follows from Theorem (2.1). Delete the rest of the paragraph.

5. Page 332, line 5 from the bottom: replace "... by Theorem (2.3) ..." by "... by Corollary (2.3) ...".

6. Page 334, line 9: replace "Theorem (2.3) ..." by "Theorem (2.0)...".

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