

## Correction to "Reduction of a Sub-Markov Operator to its Irreducible Components"

**Ikuko Sawashima**

Department of Mathematics, Faculty of Science,  
Ochanomizu University, Tokyo

**and Fumio Niiro**

Department of Mathematics, College of General Education,  
University of Tokyo

(Received March 19, 1974)

The present authors would like to make the following corrections to the proof of Theorem 2 in [1].

On p. 40. " $\tau(A_\eta) = B_\eta$ " in the last line should be replaced by " $\tau(A_\eta \cap X_1) = B_\eta$ ".

On p. 41. The part from the half of the fifth line to the end of eighth line should be replaced by

"Let  $f_0 = f_1 \vee \dots \vee f_n \vee 0 + \mathbf{1} - P\mathbf{1}$ . Then it is easy to show that  $0 \leq f_0 \in E$ ,  $f_0(x) = 0$  on  $X_\lambda$ ,  $Tf_0 \leq f_0$  and  $f_0(x)$  has the positive minimum  $c$  on the compact set  $A_\eta$ . These facts imply".

### References

- [1] I. Sawashima and F. Niiro: Reduction of a sub-Markov operator to its irreducible components. Nat. Sci. Rep. Ochanomizu Univ., 24 (1973), 35-59.