

TABLE OF CONTENTS

INTRODUCTION	v
EQUIVALENCE	
1. EQUIVALENCE	1
2. THE f -METRIC	6
3. FINITELY FIXED PROCESSES	14
4. THE EQUIVALENCE THEOREM-I	25
5. THE EQUIVALENCE THEOREM-II	36
6. LOOSELY BERNOULLI TRANSFORMATIONS	43
7. BACK TO FLOWS AND SKEW PRODUCTS	52
8. TRANSFORMATIONS WITH FINITE RANK	66
NON-EQUIVALENCE	
9. INFINITE ENTROPY AND VARIOUS COMPLEMENTS	73
10. FELDMAN'S EXAMPLE	78
11. J^f IS NOT ISOMORPHIC TO J	84
12. J AND J^{-1} ARE NOT EQUIVALENT AND UNCOUNTABLY MANY NONEQUIVALENT O-ENTROPY TRANSFORMATIONS	91
13. UNCOUNTABLY MANY PAIRWISE NONEQUIVALENT TRANSFORMATIONS OF FINITE AND INFINITE ENTROPY	96
14. A LOOSELY BERNOULLI T FOR WHICH $T \times T$ IS NOT LOOSELY BERNOULLI	103
REFERENCES	115
APPENDIX A	117