QUASI-ISOMETRIC MEASURES AND THEIR APPLICATIONS¹

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1. Introduction	427
Part I. c.a.o.s. measures	43 4
2. C.a.o.s. measures and integration	434
3. A new approach to L ₂ -transform theory	440
4. The Hilbert transform	441
5. The Watson transform	443
6. The Fourier-Plancherel transform	446
Part II. c.a.q.i. measures	448
7. On situations with multiplicity exceeding 1	448
8. W-to-3C c.a.q.i. measures	449
9. On the Hilbert space $L_2(\Lambda, \mathcal{B}, M; W)$	454
10. Integration with respect to c.a.q.i. measures	464
11. Theory for locally compact semigroups and groups	486
12. A new approach to representation theory	497
13. The Fourier-Plancherel transform for vectorial functions	498
14. Spectral representations	503
15. Linear stationary causal systems and Cooper's theorem	511
16. Unfinished work	521
REFERENCES	525

1. Introduction

This paper is devoted to certain uses of integration theory which emerge when the measures involved are vector- or operator-valued. These uses, as yet generally unfamiliar, are significant in three ways:

(1) They yield explicit formulations for many of the representation theorems of functional analysis;

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