

Dedication

To my parents, sisters, and brothers.

Acknowledgements

I would like to thank the Almighty God, my parents who have encouraged me very much to study. I am greatly indebted to my supervisor Prof.Dr. Shwagy Hussein AbdAlla, to anyone who helped and encouraged me to learn, specifically at SUST, where I discovered my vision for the future. My thanks to Mr. Omran for his good typing.

Abstract

We investigate the fixed points and selection of common fixed points for nonexpansive-type mappings. The representations of the unitary non irreducible generalize the restructure of the metaplectic approximation are considered. The unitary representations of a loop of a line group are established with Wiener measure and gamma Function. We investigate the fixed point problems for semigroups of nonlinear mappings and a menability.

Abstract (Arabic)

تم توضيح النقاط الثابتة وإختيار النقاط الثابتة الفاصلة لأجل تطبيقات نوع غير التعددية. تعتبر تمثيلات التمثيل غير القابل لتحويل الواحدية يُعمم قصر تقريب الإستحالة. تمت دراسة التمثيل الواحد لحلقة زمرة الخط والتي أسست طبقاً لقياس ونر ودالة - Γ ، تمت مناقشة النقطة الثابتة لأجل شبه الزمر للتطبيقات غير الخطية وسهلة الإنقياد.

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