

# **Structure Theory of Twisted Toeplitz Algebras and Ideal Structure of the (untwisted) Toeplitz Algebras of Ordered Groups**

**Rizky Rosjanuardi  
30198013**

# $C^*$ -algebra





**Example: alg.  $B(H)$  of operators**

# Representation : $B(H)$



Classes of  $C^*$ -alg.



# Toeplitz algebra

# Summary

$C^*$ -algebra

*alg. of operators*

gen. by isometry

Toeplitz alg.



# Toeplitz algebra

R  
o  
s  
j  
a  
n  
u  
a  
r  
d  
i

M  
u  
r  
p  
y  
—  
A  
N  
R

D  
o  
u  
g  
—  
a  
s

Coburn

J  
i

# Ideal Structure

R  
o  
s  
j  
a  
n  
a  
r  
d  
i

M  
u  
r  
p  
h  
y

Douglas  
Ji & Xa

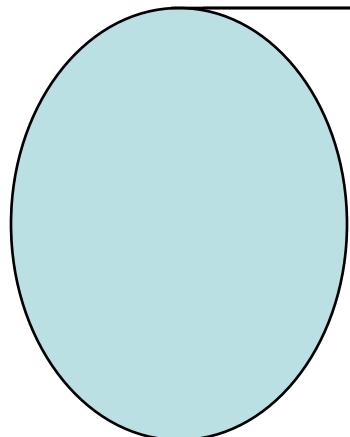
Adji & Raeburn

A photograph of a modern industrial facility. In the foreground, there's a large, dark industrial building with multiple windows and a flat roof. Behind it, several tall, cylindrical storage tanks are visible, arranged in a row. The tanks are light-colored with dark caps. The sky above is filled with soft, grey clouds.

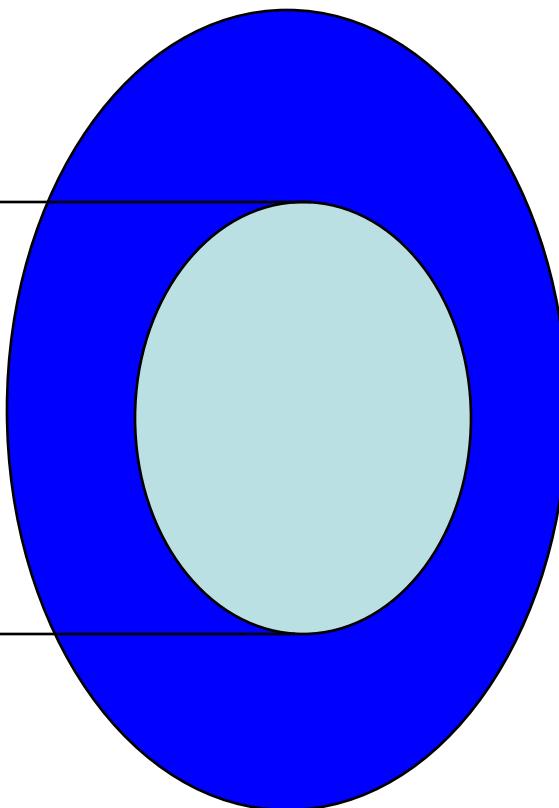
# Results

# Structure Theory

Toeplitz alg.

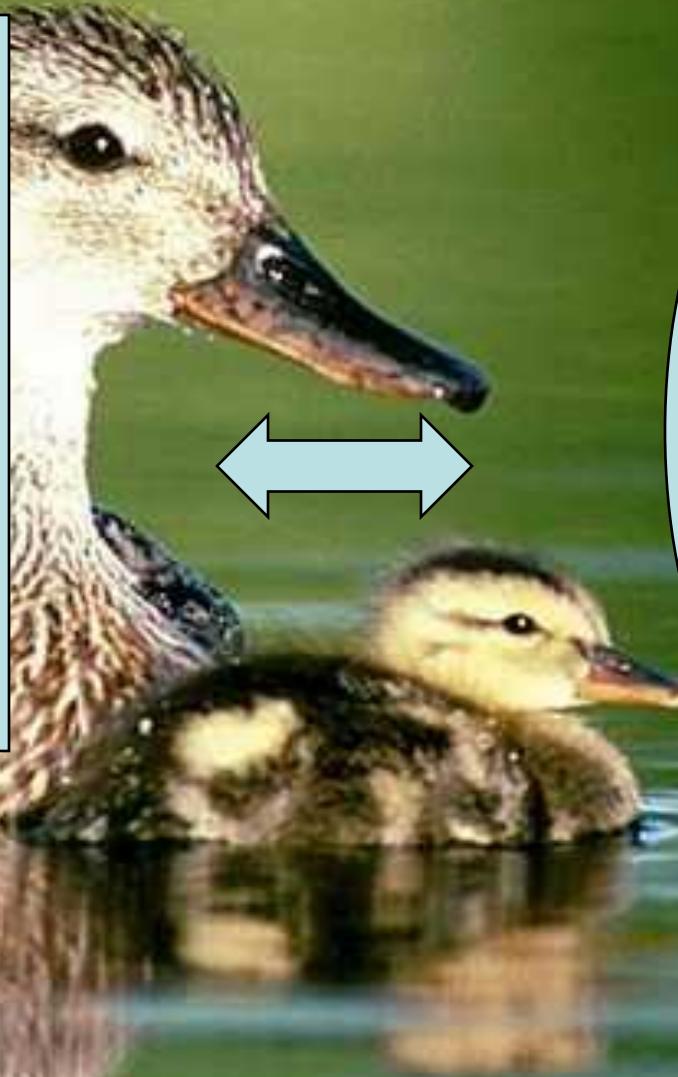


Twisted Toeplitz alg.



# Ideal Structure

Primitive



X

# Ideal Structure

A  
d  
j  
i  
-  
R  
a  
e  
b  
u  
r  
n  
-  
s  
T  
o  
p  
o  
l  
o  
g  
y

Rosjanuardi's Theorem

Adji-Raeburn's Theorem

A photograph of a sunset over a calm ocean. The sun is low on the horizon, its light reflected in the dark water. In the lower-left foreground, a single, dark, irregular rock sits on the sand. The sky is a warm, golden-yellow color.

Terima kasih







