C*-algebras, and
The Gelfand-Naimark theorem

Luke Armitage

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A Brief History

- 1925 – Heisenberg, *Über quantentheoretische...*
  – new QM model.

$$PQ - QP = \frac{h}{2\pi i}.$$

- 1925 – Born & Jordan, *Zur Quantenmechanik*
  – developed matrix mechanics.

- 1935-1943 – Murray & von Neumann, *On rings of operators*
  – a general framework.

A Brief History

- 1943 – Gelfand & Naimark, *On the embedding of normed rings...*
  – abstract C*-algebras.

References