KotlinConf 2025

Compose in Kotlin Notebooks

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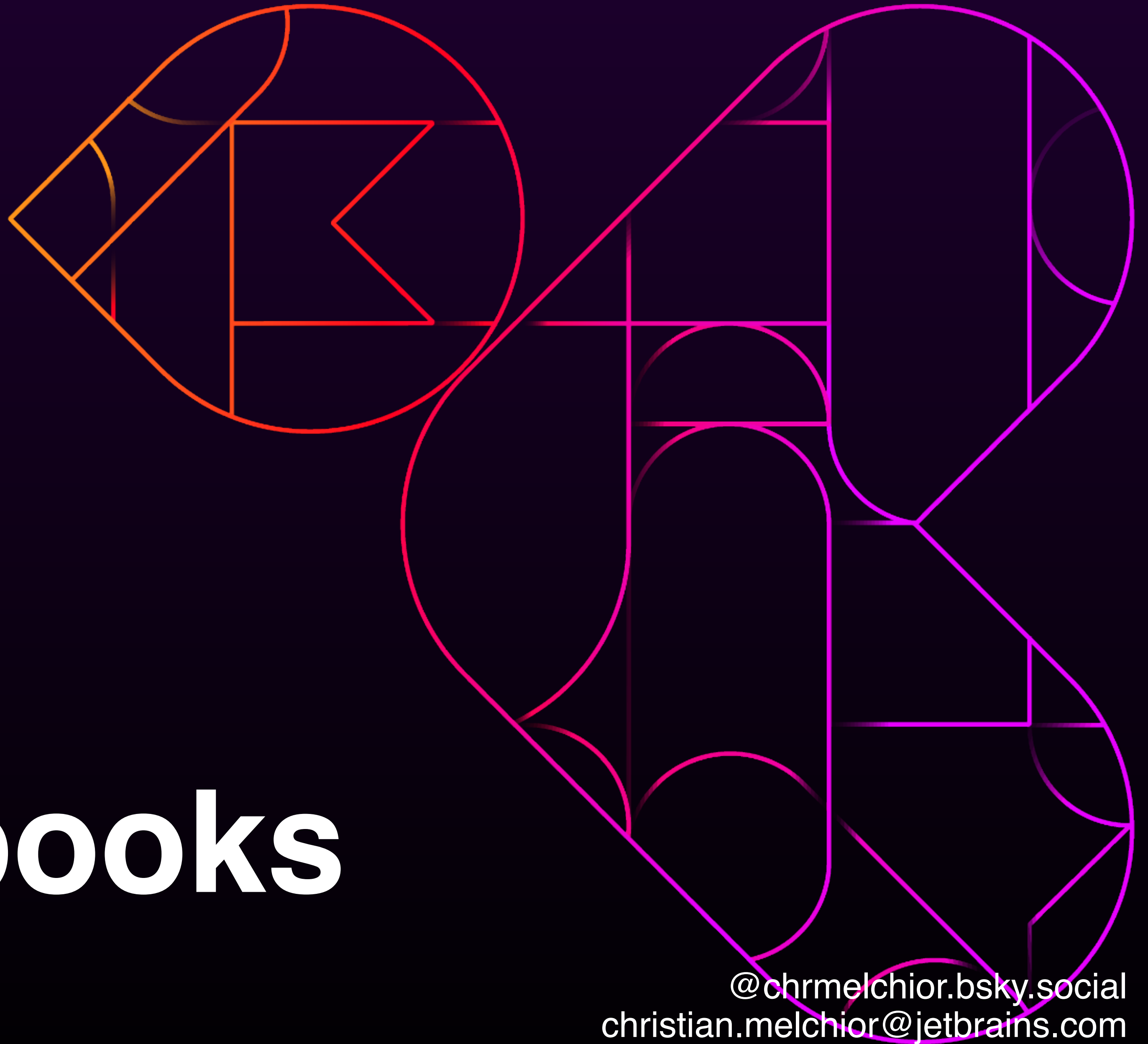
Demo

Working with Compose

- Run App

- @Preview

- Hot Reload

- Kotlin Notebooks

Working with Compose

- Run App

- @Preview

- Hot Reload

- Kotlin Notebooks

* Jetpack and Multiplatform

* No extra setup

* Doesn't scale to larger projects

* Long roundtrip if UI is deep inside the app.

Working with Compose

- Run App
- @Preview
- Hot Reload
- Kotlin Notebooks

* Jetpack and Multiplatform

* @Preview function inside app code

* Only static data

Working with Compose

- Run App

- @Preview

- Hot Reload

- Kotlin Notebooks

* Only Compose Desktop

* Iterate on existing app

* Live Data

Working with Compose

- Run App

- @Preview

- Hot Reload

- Kotlin Notebooks

* Only Compose Desktop

* No project setup required

* Interactive playground with live data

Current Status

- Compose Support: KTNB-650 - Still in Development 😢

- Requires K2 REPL - KTNB-891 - Delayed

- Distributing across hardware architectures still needs to be resolved

Take-aways

- Kotlin Notebooks are available for free in IntelliJ (Community and Ultimate) and Android Studio

- Compose support are still "In Development" (sorry). Catch me at KotlinConf if you have a use case for this. Would love to chat.

- Swing support are Experimental. Please report feature requests and bugs at https://youtrack.jetbrains.com/issues/KTNB

- Code and Presentation at: https://github.com/cmelchior/notebook-compose-kotlinconf2025

- Introduction: https://kotlinlang.org/docs/kotlin-notebook-overview.html

- Getting Started: https://kotlinlang.org/docs/get-started-with-kotlin-notebooks.html

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Workshop, 10:00 – 17:00

Asynchronous Programming With Kotlin Coroutines

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Sebastian Aigner, Vsevolod Tolstopyatov

Auditorium 14   10:00 – 17:00

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