

Kyffin Williams: Digital Analysis of Paintings

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1 Project Summary

Sir John “Kyffin” Williams is a Welsh landscape painter, also active in Patagonia, who is regarded as the defining artist of Wales in the 20th century.

His distinctive style allows for some interesting analysis:

Temporal Analysis Kyffin Williams’ style noticeably changes over time. Initially he used quite a lot of colours but as his career progressed he began to use a more limited colour palette. With this one could take a singular painting and evaluate it’s age from it’s colour distribution. From this it could be possible to extend it to other artists.

Spatial Analysis Another advantage of Kyffin Williams’ style is that he was able to paint landscapes with a good level of accuracy. With this one could match the painted landscape to a photo of the landscape. With some prior knowledge it might be able to automatically do this and, going further, create a mobile-based application which would find the user’s location and show Kyffin paintings of nearby locations.

2 Background

3 Goals and Objectives

4 Current Progress

4.1 Technical Challenges

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Annotated Bibliography