

# TREE-LIKE GRAPHINGS

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ABSTRACT. We present a streamlined exposition of a construction presented in [CPTT23], where it is proven that every locally-finite Borel quasi-tree induces a canonical treeable equivalence relation.

## 1. INTRODUCTION

## 2. DENSE CUTS IN QUASI-TREES

### 2.1. Proper Wallspaces.

## 3. MEDIAN GRAPH OF ORIENTATIONS

## 4. CANONICAL CONSTRUCTION OF A SUB-TREEING

## REFERENCES

[CPTT23] Ruiyuan Chen, Antoine Poulin, Ran Tao, and Anush Tserunyan, *Tree-like graphings, wallings, and median graphings of equivalence relations* (2023), available at <https://arxiv.org/abs/2308.13010>.