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| Nota di contenuto | <p>""Contents""; ""Chapter 1. Introduction""; ""1.1. Characterizations of the axis bundle""; ""1.2. The main theorems""; ""1.3. A question of Vogtmann""; ""1.4. Contents and proofs""; ""1.5. Problems and questions""; ""Chapter 2. Preliminaries""; ""2.1. Outer space and outer automorphisms""; ""2.2. Paths, circuits and edge paths""; ""2.3. Folds""; ""2.4. Train track maps""; ""2.5. The attracting tree T^+""; ""2.6. Geodesic laminations in trees and marked graphs""; ""2.7. The expanding lamination $-$""; ""2.8. Relating $-$ to T^- and to T^+""; ""Chapter 3. The ideal Whitehead graph""</p> <p>""3.1. Definition and structure of the ideal Whitehead graph""""3.2. Asymptotic leaves and the ideal Whitehead graph""; ""3.3. T^+ and the ideal Whitehead graph""; ""3.4. An example of an ideal Whitehead graph""; ""Chapter 4. Cutting and pasting local stable Whitehead graphs""; ""4.1. Pasting local stable Whitehead graphs""; ""4.2. Cutting local stable Whitehead graphs""; ""4.3. The finest local decomposition""; ""Chapter 5. Weak train tracks""; ""5.1. Local decomposition of the ideal Whitehead graph""; ""5.2. Folding up to a weak train track""</p> <p>""5.3. Comparing train tracks to weak train tracks""""5.4. Rigidity and irrigidity of $-$ isometries""; ""5.5. Examples of exceptional weak train tracks""; ""Chapter 6. Topology of the axis bundle""; ""6.1. Continuity properties of the normalized axis bundle""; ""6.2. The Gromov topology on weak train tracks""; ""6.3. Properness of the length map""; ""6.4.</p> |

Applying Skora's method to the Properness Theorem 6.1"; "6.5.
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