Assessing anchorage and critical wind speed of urban trees

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Wind Tipping Curve



Case Study: Tilia













Condition

- in leaf

---- without leaves

Assessment of Anchorage



Assessment of Anchorage







A safe and an unsafe Tree



















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 - with quality control
 - over a wider range than previous approaches
 - provides evidence that a tree is sufficiently anchored
- Estimates of wind load can be verified
- ▶ Critical wind speed might be estimated ⇒ Factor of safety/likelihood of failure

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