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The organizers of the Second American Dendrochronology Conference are grateful for the generous support they have received from several organizations and vendors, including those listed here.





The University of Arizona Accelerator Mass Spectrometry Lab



Elsevier (publishers of Dendrochronologia)

Image Analysis for Forest Science

Regent Instruments Inc.



WinDENDRO™

Accurate Tree-Ring Analyser

Features

- Automatic / Interactive ring detection with adjustable sensitivity
- Unlimited number of radii or paths can be created
- Multi-segment paths allow analysis of damaged disks, curved cores or rings perpendicularly to their boundary
- Earlywood/Latewood boundary measured using density or light intensity
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 - Available per ring: ring width, earlywood and latewood width, ring maximum, minimum and mean density, earlywood and latewood mean density, and ring boundary orientation
 - Available per pixel along a ring path: pixel density or light intensity, and slit orientation
- ✓ XLSTEM[™] module available for stem analysis: mean radius, diameter and area per disk, tree height and volume as a function of age or year

WinCELL™

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Features

- Anatomical analysis and quantification of wood cell structure parameters over annual rings:
 - lumen area, perimeter, form coefficient
 - · lumen length and width
 - wall thickness
 - · lumen and wall area in function of their color
- Spatial distribution to analyse variations in function of cell position on annual rings
- Flexible tools to exclude any image region from analysis
- Debris filtering
- ✓ Analyses cells per annual ring for one or more rings per image
- ✓ Data computed on a yearly basis in a format similar and compatible with WinDENDRO[™] and with our stem analysis software XLStem[™]
- Integrated knowledge of wood cell anatomy and annual tree-ring formation produces data suited for wood scientists
- Analyses images of thin wood slices mounted on a microscope with a camera or very high resolution images of regular wood cores or disks, or of woody roots (xylem) acquired with a scanner or a camera





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noun. \,den-(,)drō-stor-'ä-lə-jē\ Definition: The study of tree ring storage.

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