Concurrent Markup for XML Documents

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Background: biblical texts
come

complex textual transmission multi-level analyses

- **Previous Insights** (Durusau & O'Donnell 2001):
 - > Markup is *metadata about PCDATA*
 - > Typically recorded *in-line* utilizing a *tree* notation
 - > Metadata can be recorded on each PCDATA item instead of around it (BUVH)





(1) Concurrent Markup Revisited: A Partial Typology for Overlapping Hierarchies

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(2) Testing the BUVH Model Milton's Paradise Lost

(3) 'Down from the trees': Future Investigations





Case 1: No-overlap





Case 13: No-overlap





Case 2: Shared start/end point





Case 12: Shared end/start point





Case 3: 'Classic' overlap





Case 11: 'Classic' overlap





Case 4: Shared end point





Case 10: Shared end point





Case 5: One element contains other





Case 9: One element contains other





Case 6: Shared start point





Case 8: Shared start point





Case 7: Shared start and end points





Cases 1, 5, 9 & 13 handled by traditional markup





'Classic' overlap requires alternative methods





Hierarchical assumptions of tree model



Bottom-Up Virtual Hierarchies







