



Mathematical Biology Seminar



Monday, October 24, 2011
3 pm – 657 CAB

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Optimal Tree Aspect Ratios Among Gradients in Resource Availability

Tree aspect ratios have been shown to be of significance in field ecology and plant allometry. An understanding of why it is imperative for a particular species of trees to grow the way it does, is warranted. We suggest a model that ascribes the growth and aspect ratio of trees to the availability of resources. Preliminary results are discussed and compared with data for known species.