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SHORT COMMUNICATION

Optimum photosynthetic energy storage and energy harvest efficiencies of a plant community

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Abstract—The photosynthetic efficiency of a plant community under given conditions is a function of the stage of growth. It is shown that the optimum photosynthetic efficiency can be evaluated from a study of the growth kinetics of the community and energy can be harvested at the optimum production rate while maintaining stable quasistatic equilibrium. The applications of the above findings for utilization of biomass are indicated.