

65



SERIES ARTICLES

- 06 The Study of Butterflies**
Congregations, Courtship and Migration
 Peter Smetacek

GENERAL ARTICLES

- 15 Ferroc Materials: A Primer**
 V K Wadhawan

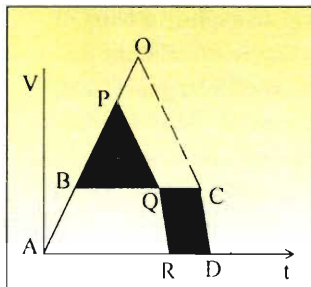
- 25 DNA Vaccines**
 P N Rangarajan

- 35 Mobile Agents**
Intelligent Assistants on the Internet
 Parineeth M Reddy

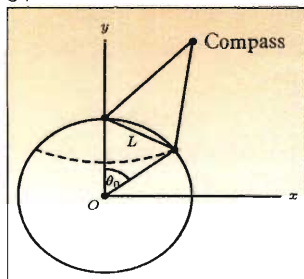
- 44 Photoresists for Microlithography**
Role of Organic Chemistry in Microelectronics
 Debmalya Roy, P K Basu and S V Eswaran

- 56 Web Caching**
A Technique to Speedup Access to Web Contents
 Harsha Srinath and Shiva Shankar Ramanna

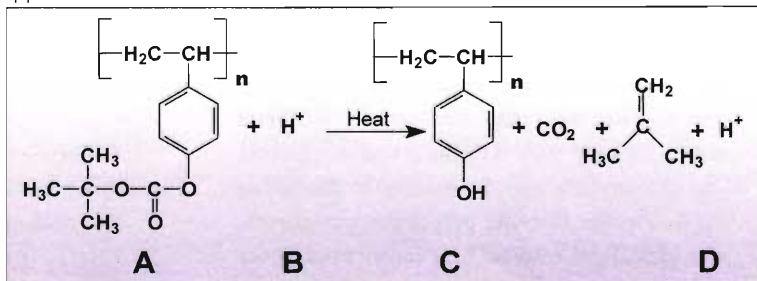
80



84



44





Classroom

The Magneto-hydrodynamic Generator – A Physics Olympiad Problem (2001) **68**

Vijay A Singh and Manish Kapoor

Autocatalysis – A Misomer? **76**

P K Das and E Arunan

Minimum time of Travel **80**

S N Maitra

Symmetry on a Sphere **84**

J Makesh Pravin

FEATURE ARTICLES

65 Nature Watch

Tent-making Bats

N Gopukumar and J Balasingh

Front Cover



A male *C. sphinx* roosting in a tent under a palm leaf.

(Also see article on page 65)

(Colour scheme for cover by Jayant Rao)

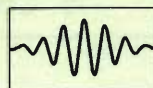
Back Cover



Howard Martin Temin

(1934 – 1994)

DEPARTMENTS



Editorial **1**

Associate Editor's
Column *Amitabh Joshi*

Howard Martin Temin
S Mahadevan



Think It Over

A Problem in Number Theory **89**

A Geometric Dissection
Problem

M N Deshpande



Information and Announcements

Refresher Course in **43**
Mathematics at Panjab
University, Chandigarh

Refresher Course in **92**
Immunology at Univer-
sity of Pune, Pune

Inside Back Cover

Flowering Trees
(Courtesy: K Sankara Rao)

