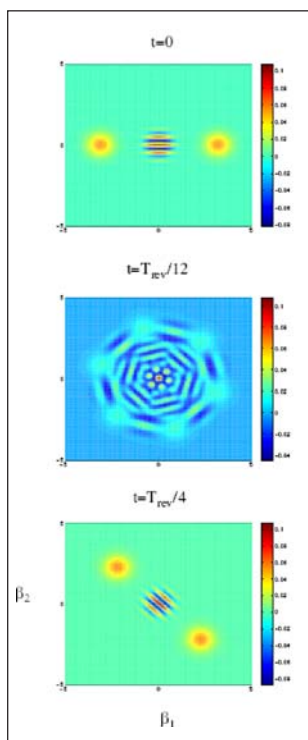


SERIES ARTICLES

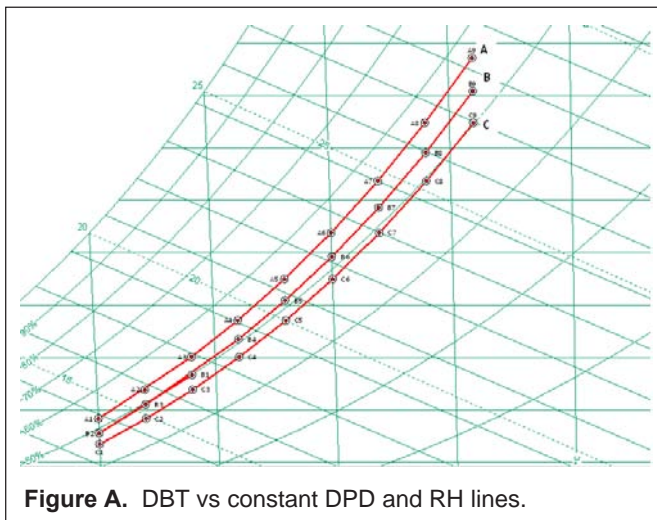
192



- 106 Dawn of Science**
Calculus is Developed in Kerala
T Padmanabhan

GENERAL ARTICLES

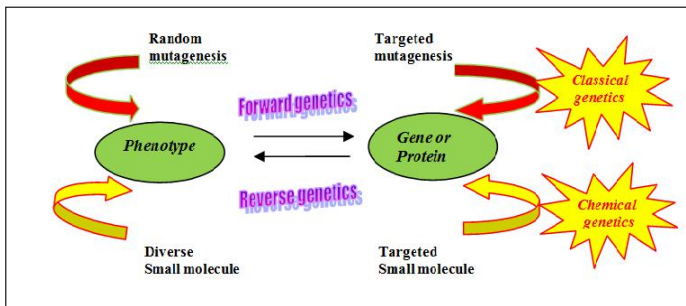
- 117 Willis H Carrier: Father of Air Conditioning**
R V Simha
- 139 Refrigerants For Vapour Compression Refrigeration Systems**
G Venkatarathnam and S Srinivasa Murthy
- 163 A New Era of Exotic Electromagnetism**
K Porsezian and Ancemna Joseph



117

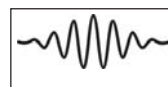
Figure A. DBT vs constant DPD and RH lines.





177

DEPARTMENTS



Editorial 103

Jaywant H Arakeri



Science Smiles 116

Ayan Guha



Our Readers Write 225



Information & Announcements 226

Science Academies
Refresher Course in
Statistical Physics

Inside Back Cover

Flowering Trees
(Credit: K Sankara Rao, IISc)

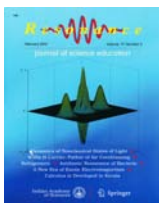
177 Antibiotic Resistance of Bacteria: A Global Challenge
Saswati Sengupta and Madhab K Chattopadhyay

192 Ehrenfest's Theorem and Nonclassical States of Light
Dynamics of Nonclassical States of Light
Lijo T George, C Sudheesh, S Lakshimbala and
V Balakrishnan

REFLECTIONS

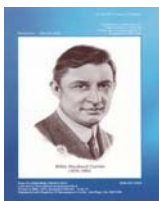
212 Darshana Jolts
Waves V V Raman

Front Cover



Wigner function for an even coherent state of radiation (see article on p.192).

Back Cover



Willis H Carrier
(1876–1950)
(Illustration: Subhankar Biswas)

