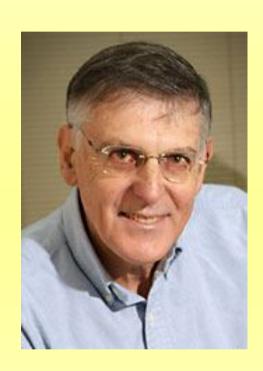
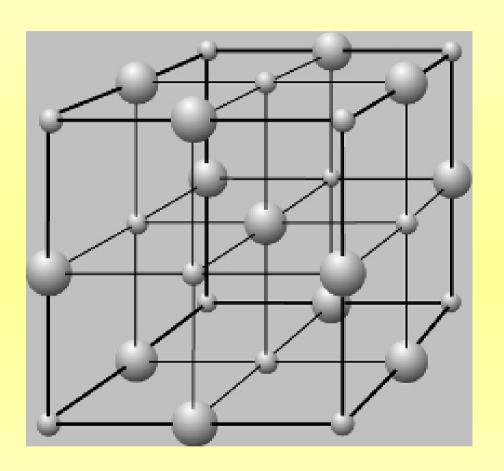
Нобелівська премія з хімії 2011 The Nobel Prize in Chemistry 2011

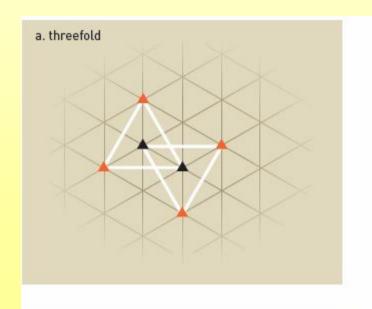


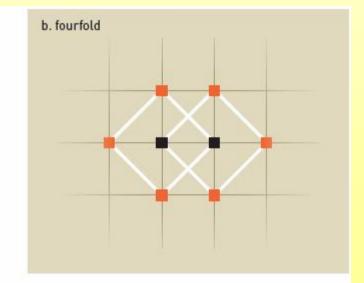


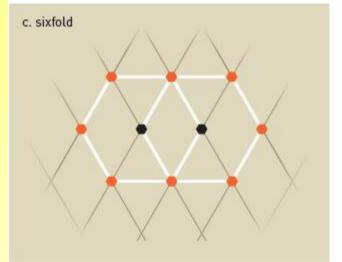
Дан Шехтман (Dan Shechtman)
Technion - Israel Institute of Technology

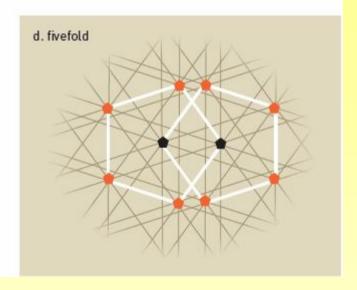
"за відкриття квазікристалів"

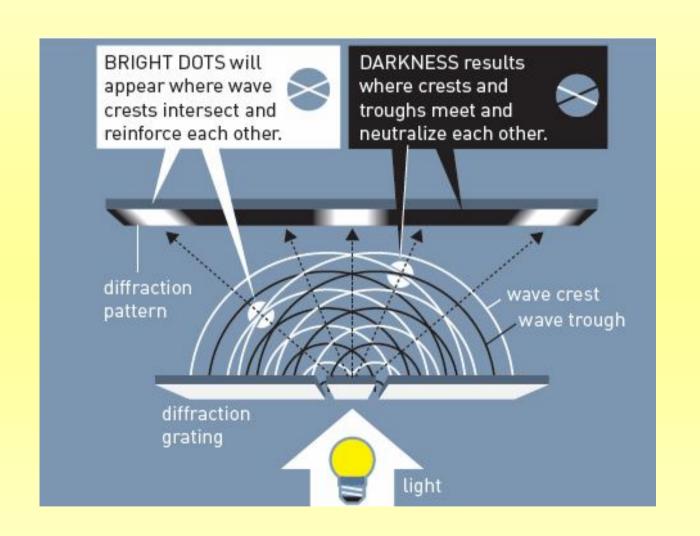












serialina dos - ga			AL- 25 w/o Mn April 1	8,82
17 26	PITTI PITTI PITTI PITTI PITTI	1720 1721 1722 1724 1725 1727 1728 1729 1731 1732 1733	340 25k 17k 9 36k 540 (10 Fold ???) 36k Df 36k Df 36k Df 36k Df 1600 9 36k Df 1600 9 36k Df 1000 9 36k Df	

Metallic Phase with Long-Range Orientational Order and No Translational Symmetry

D. Shechtman and I. Blech

Department of Materials Engineering, Israel Institute of Technology-Technion, 3200 Haifa, Israel

Centre d'Etudes de Chimie Métaling que, Centre National de la Recherche Scientifique, F-94400 V)ry, France

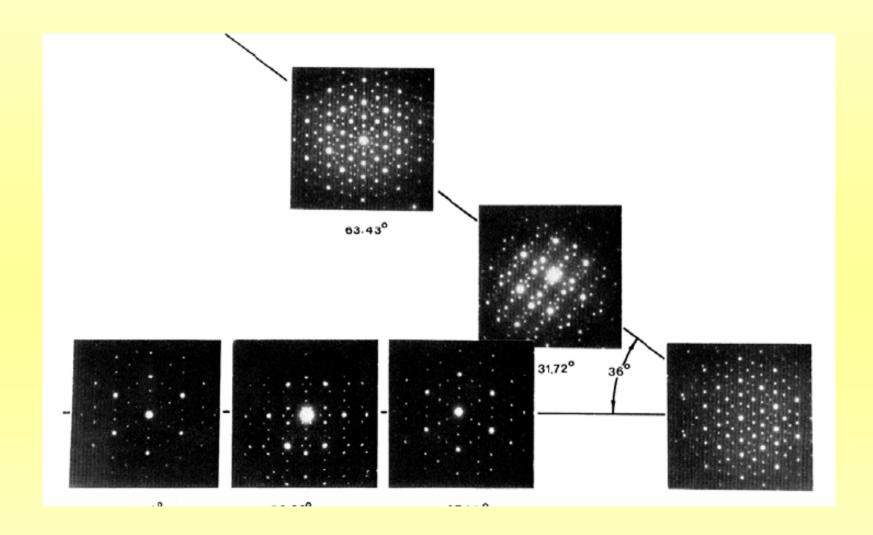
and

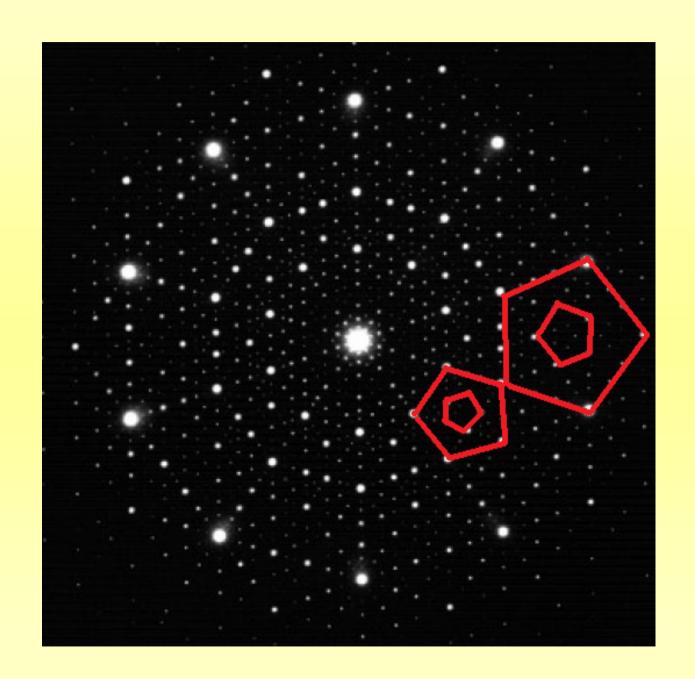
J. W. Cahn

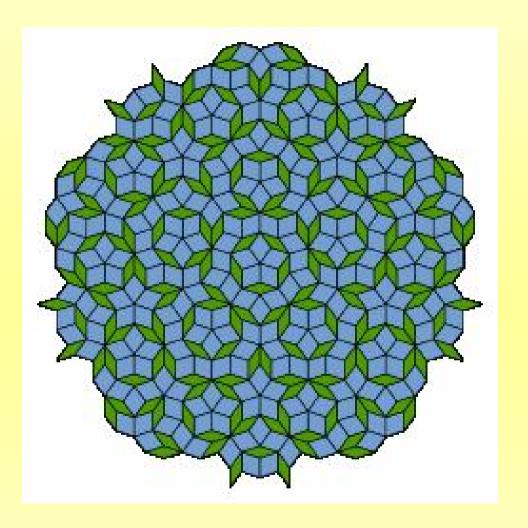
Center for Materials Science, National Bureau of Standards, Gaithersburg, Maryland 20760 (Received 9 October 1984)

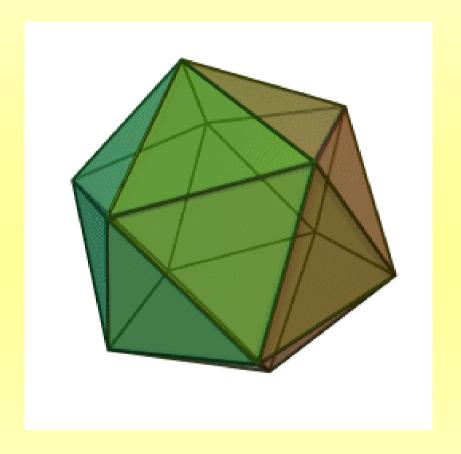
We have observed a metallic solid (Al-14-at.%-Mn) with long-range orientational order, but with icosahedral point group symmetry, which is inconsistent with lattice translations. Its diffraction spots are as sharp as those of crystals but cannot be indexed to any Bravais lattice. The solid is metastable and forms from the melt by a first-order transition.

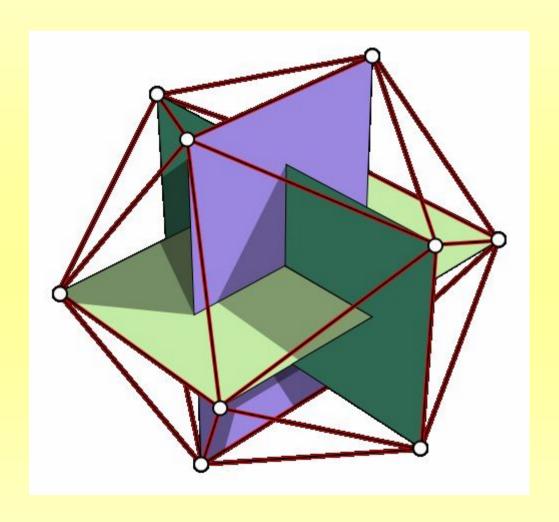
PACS numbers: 61.50.Em, 61.55.Hg, 64.70.Ew

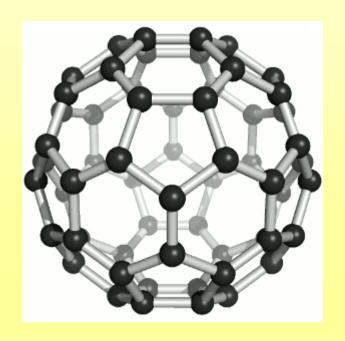








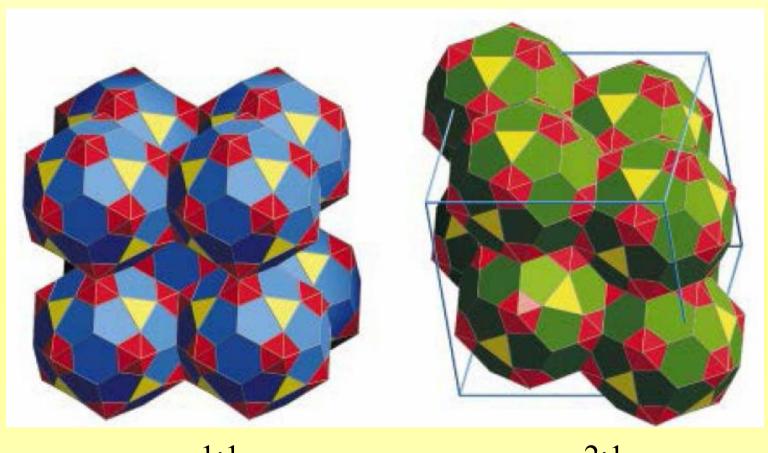












1:1 2:1

Prizes

2011 Nobel Prize in Chemistry

2008 European Materials Research Society (E-MRS) 25th Anniversary Award

2002 EMET Prize in Chemistry

2000 Muriel & David Jacknow Technion Award for Excellence in Teaching

2000 Gregori Aminoff Prize of the Royal Swedish Academy of Sciences.

1999 Wolf Prize in Physics

1998 Israel Prize in Physics

1993 Weizmann Science Award

1990 Rothschild Prize in Engineering

1988 New England Academic Award of the Technion

1988 International Award for New Materials of the American Physical Society

1986 Physics Award of the Friedenberg Fund for the Advancement of Science and Education

Membership in Academies

2004 Elected member of the European Academy of Sciences.

2000 Elected member of the American National Academy of Engineering.

1996 Elected member of the Israel Academy of Sciences.

Honorary Membership in Professional Societies

2005 Elected Honorary Member of the Japan Institute of Metals

2000 Elected Honorary Member of the French Physical Society

1999 Elected Honorary Member of the Israel Crystallographic Association

1998 Elected Honorary Member of the Israel Society for Microscopy

1998 Elected Honorary Member of ISIS-Symmetry (International Society for Interdisciplinary sciences)

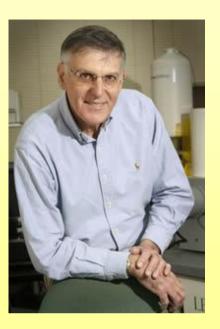
1997 Elected Honorary Member of MRSI (Materials Research Society of India)

Educational Background

B.Sc. 1966 (Technion)

M.Sc. 1968 (Technion)

Ph.D. 1972 (Technion)



Distinguished Prof. Dan Shechtman

Technion - Israel Institute of Technology Department of Materials Engineering Room 617

Tel: +972-4-8294299 Fax: +972-4-8295677

e-mail: dannys@tx.technion.ac.il









Дякую за увагу!