

Apoorva D. Patel (ADP)

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Education and Experience:

- 5-year M.Sc. Physics, H-6.
- Ph.D. High Energy Physics, Caltech, 1984.
- Scientific Associate, Theory Division, CERN, Geneva, Switzerland, 1987-1989.
- Faculty member at IISc, Bangalore, since 1989.

Address:

Work:

Associate Professor, Centre for High Energy Physics,
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Areas of Work:

Professional:

Lattice QCD; Quantum computation; Languages of genetic information; Black hole thermodynamics.

Hobbies and other activities:

Reading, travelling.

New or Noteworthy:

Discovered an explanation of the structure of genetic languages. In particular, why living organisms use 4 nucleotide bases in DNA, and 20 amino acids in proteins.

Family News:

Wife: Rashmi, married 1989. M.S. General Surgery, Bombay University.

Specializing in laparoscopy and endosurgery.

Son: Aavishkar, born 1990. Now in 10th standard. Interested in robotics, and needs his daily dose of computer games.

Personal Reflections:

I joined IIT through direct admission and from Gujarati medium. Earlier I had joined medical college, but then decided to pursue research in pure science upon exhortations of many well-wishers (for which I shall always be grateful). Having not appeared for JEE and missed the orientation week, I was uncertain about what was in store for me at IIT. From looking up in a dictionary that an isosceles triangle meant a triangle with two equal sides, and always sitting in the first row of the convocation hall for tests, it was a thrilling climb to the top--especially the intense competition with Rajeev Rohatgi. The self-confidence provided by that experience has been an invaluable asset.

Favourite Memory from IIT Days:

Sitting quietly at the mess table on the night before the exams, listening to the animated conversations of the batchmates, not drinking tea or coffee like the others, and then going to sleep. Didn't realize till much later how much this "psyched" others.



1975, 1980.....and.....2005

