

Auditory illusions and musicality

by **Mr. Mandar Phatak (DBS, TIFR, Mumbai)**

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The brain processes sensory inputs to create an understanding of the surroundings or the 'reality'. An illusion is something that baffles the brain so as to result in a misinterpretation of this 'reality'. Illusions have become an important part of our life; from LED displays to surround sound. Illusions expose the ways in which our brain tries to find trends, to generalise vast input information to allow fast decision making. Auditory illusions have been a subject of immense interest amongst scientists studying auditory perception and cognition, and, has led to many important discoveries that have improved our understanding greatly.

Description In this talk, I will talk about auditory illusions and what we know about auditory perception through them. Further, I will talk about musicality and try to argue how auditory illusions share a deep connect with musicality.

About the Speaker:

Mandar Phatak is a Research Scholar in Prof. Mahendra Sonawane's lab at TIFR and is a recipient of SPM fellowship by CSIR. He is a Hindustani classical vocalist and was awarded the National scholarship by the Ministry of Culture, Government of India during 2012-2014. Mandar is a runner up in a national competition organised by the All India Radio. He performed at many prestigious venues including the NCPA.