The diamond principle: from Jensen to Shelah

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Abstract:

The diamond principle was introduced by Jensen in 1972, who showed that under *V=L*, it holds at all uncountable regular cardinals. About 40 years later, Shelah showed that for a regular cardinal $\kappa > \aleph_1$, the diamond principle at κ^+ is equivalent to $2^\kappa = \kappa^+$.

  In this talk I will discuss the above results and if time permits, I also will discuss some of its applications in Mathematics.

Sunday, July 16, 2023
16:00 - 18:00 (THR) - 12:30 - 14:30 (GMT)

The lecture will be held in Persian, in a combination of in-person and online and hosted by the Iranian Research Institute of Philosophy.

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Link: https://www.skyroom.online/ch/irip/logic