▸ NICOLÁS NÁJAR-SALINAS, *Independence in Finite Diagrams and Abstract Elementary Classes*.
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This talk investigates the notion of independence in the context of Finite Diagrams and Abstract Elementary Classes in a local way, based on the concept of shattering. Using a generalization of Morley's Omitting Types Theorem (see [1] and [4]), we demonstrate how to transfer independence in finite diagrams and relate independence to order graph indiscernibles (see [3]) in this context. Furthermore, we provide some examples and, by employing Shelah's Presentation Theorem (see [1]), translate these results to the setting of Abstract Elementary Classes. The results discussed are joint work with Saharon Shelah and Andrés Villaveces and are part of the speaker's Ph.D. thesis.

[1] Baldwin, Jonh T.. *Categoricity*, University Lecture Series (Vol. 50), 2009

[2] Nájar-Salinas, Nicolás; Shelah, Saharon and Villaveces, Andrés, *Around Non-elementary Dependence*, ***Work in progress***.

[3] Scow, Lynn, *Characterization of NIP theories by ordered graph-indiscernible*, ***Annals of Pure and Applied Logic***, vol. 163 (2012), no. 11, pp. 1624–1641.

[4] Shelah, Saharon, *Classification theory: and the number of non-isomorphic models*, Studies in logic, Elsevier, 1990.