

APPLICATIONS OF LINKING TO THE STUDY OF CAUSALITY

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We will discuss the results about causality in spacetimes and Legendrian linking. The spheres are linked in the space of all light rays associated to the spacetimes. The results were obtained in the joint works with Stefan Nemirovski and, in particular, solve the Low conjecture, the Legendrian Low conjecture of Nataro and Tod and the problem communicated by Penrose on Arnold problem list.