第15回

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  - 題目: 双曲方程式、波動、**そして**特異点
  - 日時: 11月26日(火) 16:00 〜 17:00+
  - 場所: 数学科**セミナー**室 4号館 3階

We will consider linear and nonlinear wave propagation. Equations which describe the phenomena of wave propagation are generally hyperbolic partial differential equations. In this talk ``wave“ means ``singularity of solution”. Therefore our interest is to study the singularities of solutions of hyperbolic equations. The most traditional and typical method for the singularity theory has been the “*resolution of singularities*”, that is to say, to lift the surfaces with singularities into higher dimensional space so that the singularities would disappear. This is a survey note of our researches from the point of view of resolution of singularities.