

- 講演者：岩崎 千里 氏（兵庫県立大学）
 - 題目□Construction of the fundamental solution and a local index
 - 日時：平成 21年 10月 6日（火）14:45-15:30

I will show a local version of Gauss-Bonnet-Chern theorem on Riemannian manifolds with boundary and its generalization are obtained by construction of the fundamental solution as follows: The fundamental solution for initial-boundary problem is constructed by symbolic calculus of pseudo-differential operators, if we introduce a new weight for symbols.

Also a local version of Riemann-Roch theorem on Kaehler manifolds can be obtained by the similar methods.



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4 images

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