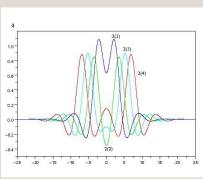
## 明治大学先端数理科学インスティテュート



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## Eigenvalue problems from the topological viewpoint





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Abstract: Eigenvalue problems are applied in many applications in physics, engineering and in other areas of science. In many cases of mathematics, they are solved by analytical or algebraic approaches. Here, there are other approaches, that is, topological approaches. The topological viewpoint gives simple and beautiful mechanism of mathematics, and is sometimes very convenient in application. In this talk, we roughly explain what is the topological viewpoint of eigenvalue problem with a brief history of topology.





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