LIST OF PARTICIPANTS OF SCHOOL Lecturers

- 1. Daniel Beltita (Bucharest) Quantization and enveloping algebras of Lie groups
- 2. Sorin Dragomir (Potenza) Bergman kernels, Fefferman's metric, and quantization of complex manifolds 人
- 3. David Fernández (Mexico City) Supersymmetric quantum mechanics and Painleve equations 4. Mikołaj Rotkiewicz (Warszawa) - On some concepts in the theory of Lie algebroids

PARTICIPANTS

- 5. Krzysztof Bardadyn (Białystok)
- 6. Sagnik Biswas (Chennai)
- 7. Martin Bures (Prague)
- 8. Luca Campobasso (Łódź)
- 9. Alonso Contreras-Astorga (Mexico City)
- 10. Tomasz Czyżycki (Białystok) 11. Alina Dobrogowska (Białystok)
- 12. Galina Filipuk (Warsaw)
- 13. Tomasz Goliński (Białystok)
- 14. Jiří Hrivnák (Prague)
- 15. Grzegorz Jakimowicz (Białystok)
- 16. Piotr Kielanowski (Mexico City)
- 17. Bartosz Kwaśniewski (Białystok)
- 18. Anatolij Prykarpatski (Kraków)
- 19. Aneta Sliżewska (Białystok)
- 20. Marzena Szajewska (Białystok)
- 21. Bhagwat Thakran (Nagpur) 22. Elwira Wawreniuk (Białystok)

Title: On some concepts in the theory of Lie algebroids

Talk 1:

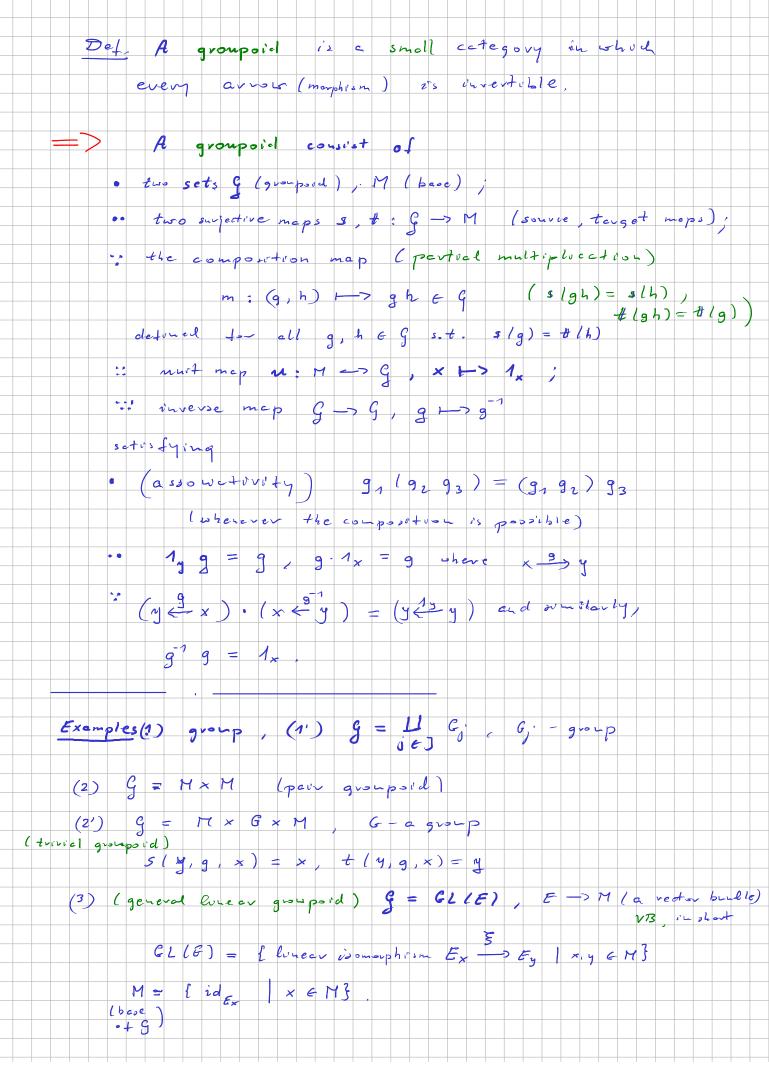
- 1. Examples of Lie groupoids and Lie algebroids
- 2. Lie functor: groupoid algebroid correspondence

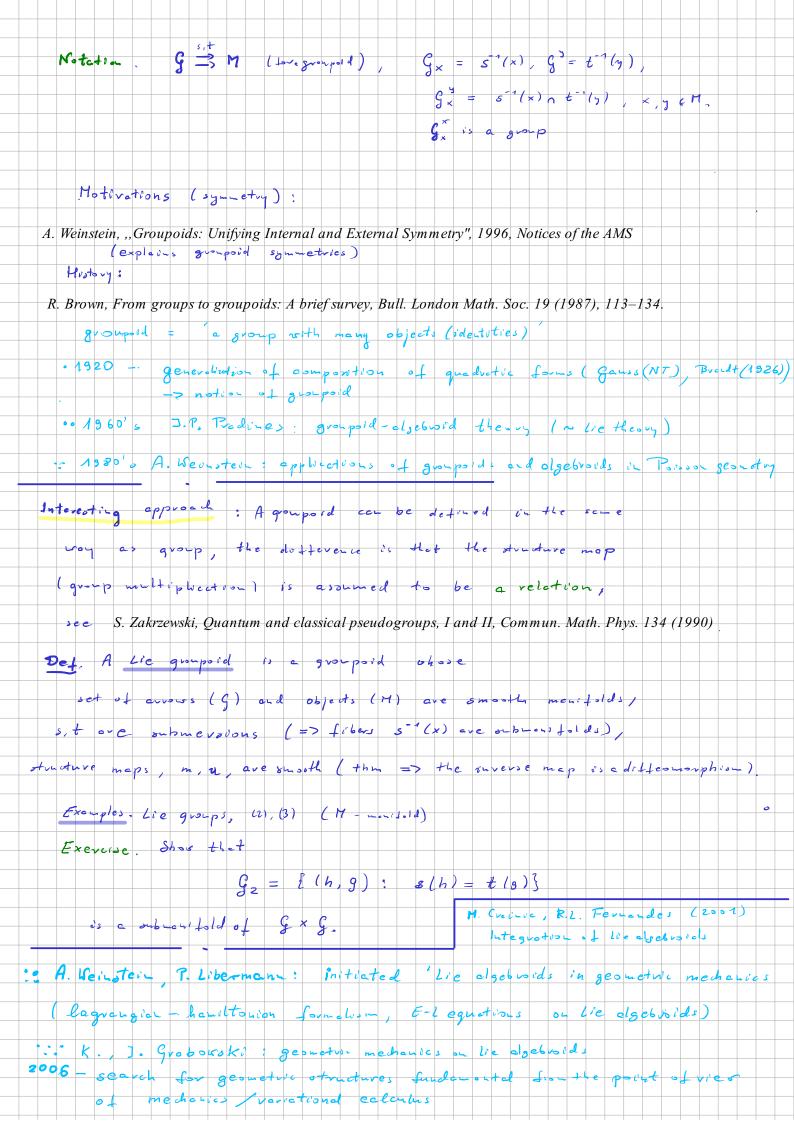
Talk 2:

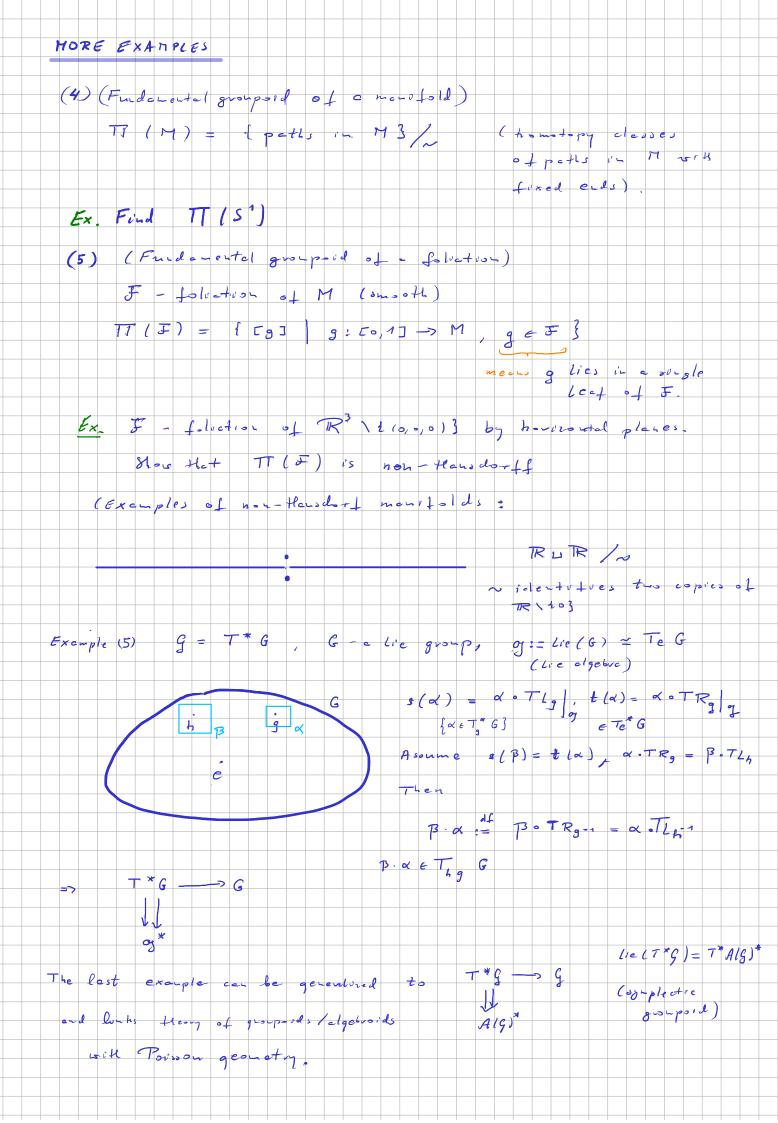
- 3. de Rham differential and supergeometry (Vaintrob's theorem)
- 4. Lie bialgebroids (D. Roytenberg's approach) and double Lie algebroids (T. Voronov's approach)

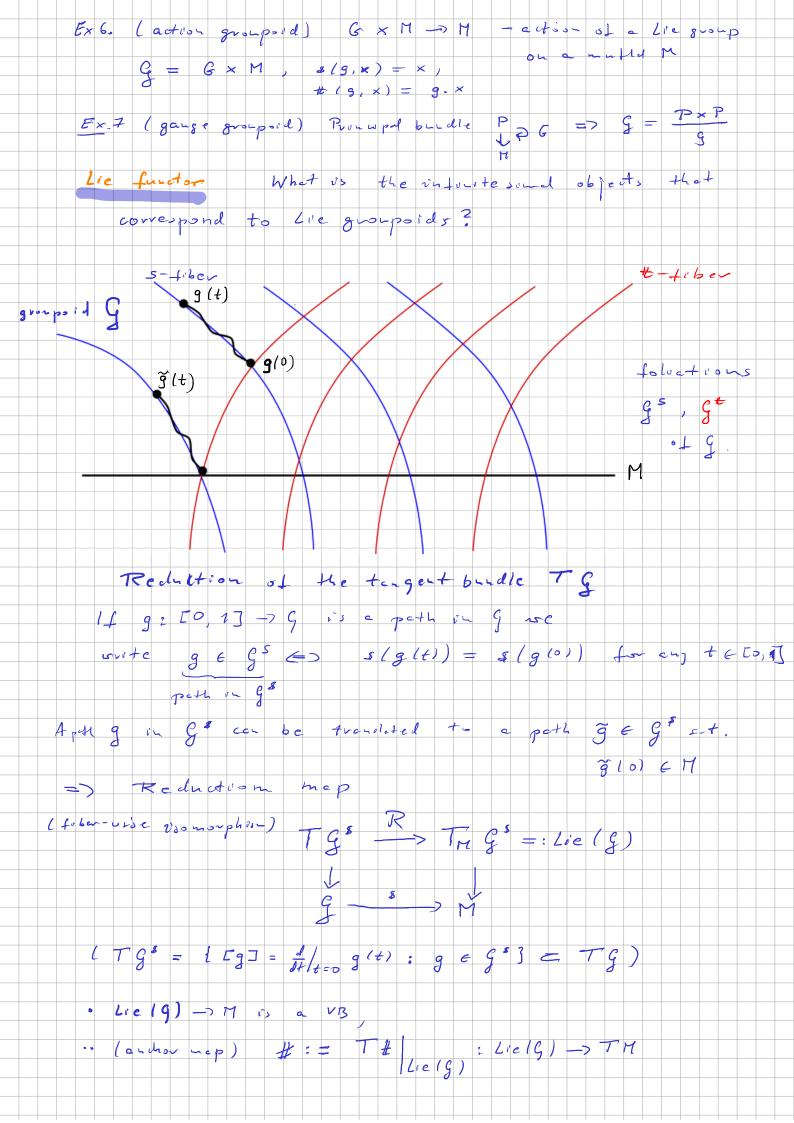
Talk 3:

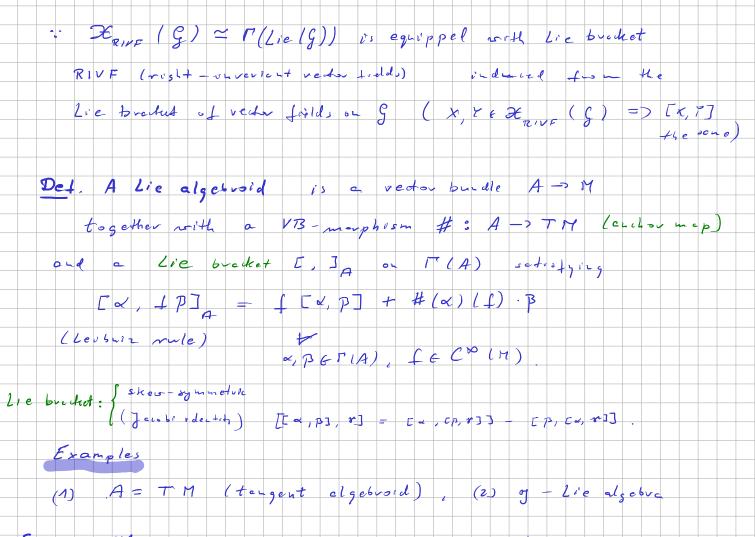
```
5. Higher order analogues of Lie algebroids - comorphism approach to Lie algebroids
```











Exercise TM is the Lie algebroid of the peir prospoid MxM and the

fundamental groups id,

Ex. Prove that #: M(A) -> X(M) is a lie algebra howomorphism.

