

LISBON SUMMER SCHOOL 2012 - BOOK LIST

Here are some books recommended by the lecturers for delving deeper into the topics treated in the summer school.

Nati Linial: The lovely small book [4] is very appropriate for anyone starting research in combinatorics. There is a lot of beautiful material in the draft of a book by Babai and Frankl [2] which unfortunately has never become an official book. Finally, Lovász's books of problems and exercises [3] is a real classic that will be a source of useful ideas for a long time.

Prof. Sudakov recommends the book by Alon and Spencer on the probabilistic method [1].

REFERENCES

- [1] Noga Alon and Joel Spencer, "The probabilistic method", Wiley, 2000.
- [2] László Babai and Peter Frankl, "Linear Algebra Methods in Combinatorics: With Applications to Geometry and Computer Science", available through <http://www.cs.uchicago.edu/research/publications/combinatorics>
- [3] László Lovász, "Combinatorial problems and exercises: second edition", AMS Chelsea Publishing, 2007.
- [4] Jiří Matoušek, "Thirty-three miniatures: Mathematical and Algorithmic applications of Linear Algebra", Student Mathematical Library 53, AMS, 2010.