The goal of the seminar is to understand Ralph Cohen’s proof of the immersion conjecture. The original reference is [Coh85], and two expository accounts are [CT86] [Lan81]. After an introductory lecture, the seminar will cover some of the following topics, not necessarily in the order given.

   - Tentative length: 1 lecture
   - Tentative speakers: ???
   - References: [Wu50], [MS74], [Mil01], [Ada69 Section 3]

   - Tentative length: 1 lecture
   - Tentative speakers: Bena
   - References: [Mas60], [BP64], [CT86 I.1]

3. Immersion theory. Reduction of the theorem to a lifting problem.
   - Tentative length: 2 lectures
   - Tentative speakers: Emily, Sander
   - References: [CT86 I], [Wal16 Chapter 6], [Hir59], [HP64], [Las70], [Gro86], [EM02]

4. The immersion conjecture up to bordism.
   - Tentative length: 1 lecture
   - Tentative speakers: ???
   - References: [CT86 I.2] [Tho54]

   - Tentative length: $\geq 2$ lectures
   - Tentative speakers: Ben and maybe someone else
   - References: [Boe87], [Fuk70], [Coh79], [CT86 II.2]

   - Tentative length: 1-2 lectures
   - Tentative speakers: ???
   - References: [GLM92], [BG73], [BP77], [CT86 II]

   - Tentative length: $\geq 2$ lectures
   - Tentative speakers: ???
   - References: [BP79], [CT86 III.1], [Bro69 Section 6]

8. Stable splittings of classifying spaces of classical groups.
   - Tentative length: 1 lecture
   - Tentative speakers: ???
   - References: [Sna79]
(9) The lift of $BO/I_n$.

- Tentative length: ???
- Tentative speakers: ???
- References: [Coh85] [CT86] III.2

REFERENCES


