

This thesis is about the expansion of the real projective line to the complex projective line. The first chapter is dedicated to a brief history of projective geometry. The next chapter introduces definitions and basic facts about the real projective line, plane, projective transformation and the cross-ratio. The third chapter concerns the complex projective line and related themes such as möbius transformation, cocircularity or stereographic projection. The chapter also briefly summarizes basic facts about complex numbers.