1067-51-1350   **Francois Labourie***, Batiment 425, 91405 Orsay, France. *What is a cross ratio?*

We shall explain what is a generalised cross ratio. We shall explain how a cross ratio is naturally associated to a (nice) representation of a surface group in $PSL(n, \mathbb{R})$ and why such an object gives interesting dynamical and symplectic information. (Received September 20, 2010)