

1067-01-1981 **Kirsti Andersen*** (kirsti.andersen@ivs.au.dk). *Lambert's ideas on the use of the ruler in traditional Euclidean constructions.*

Among Johann Heinrich Lambert's many interests was perspective. From early on in his scientific studies until the end of his life he wondered about how to represent all sort of objects, as for instance a rainbow, in a perspective drawing. Perspective also inspired him to take up the challenge of finding out how far one can come with a ruler alone in Euclidean construction and what should be assumed given when a ruler does not suffice. Lambert's investigations led to results that were later rediscovered by Victor Poncelet. (Received September 22, 2010)