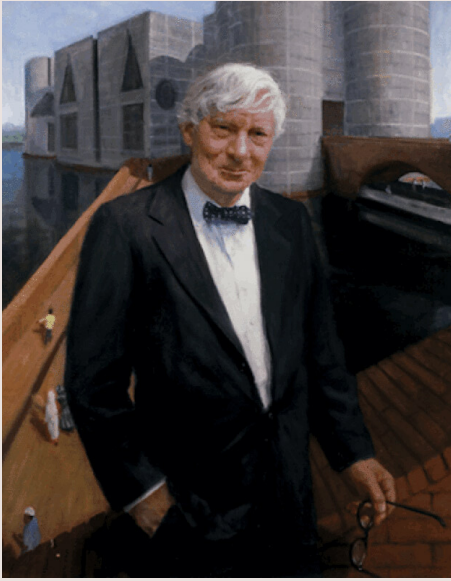


Archs of the Kimbell Art Museum

*Özlem Kahraman
Babaeski Şehit Ersan
Yenici Anadolu Lisesi*

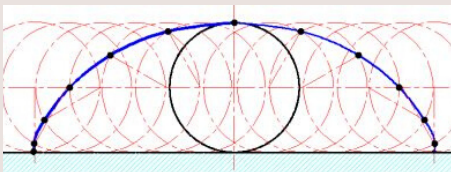
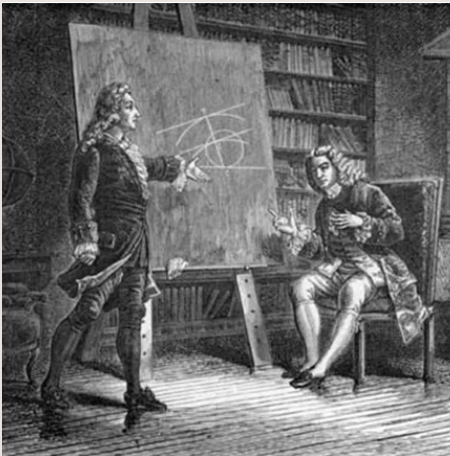


Architect Louis Kahn



A curve similar to parabola and used in architecture is cycloid. Louis Kahn is the most well-known architect who uses the cycloid curve as an arch in architecture. The works of Kahn, which is among the most masterful architects of the twentieth century, resembles a handcrafted lace spread from time to time to the monuments, which feel the weight of the material according to its place.

When Johann Bernoulli was 29, he published a question in the journal *Acto Eruditorum*. Young Bernoulli was asking what the shape of the road should be in a vertical plane that would allow the distance between the two points to be taken as soon as possible. Bernoulli has found that the fastest track will be given with a cycloid curve after his calculations. It is Galileo, the mathematician who most extensively studied this curve and named it the cycloid. The path followed by a fixed point on a circle that rotates along a line is called a cycloid curve. The first mathematicians who found this curve worth examining thought that this curve was the arc of a larger circle.



Cycloid Curve