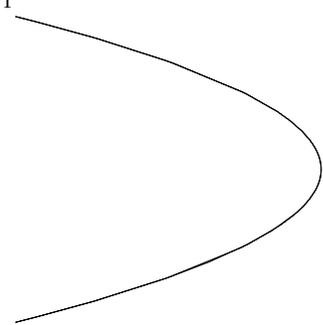


CURVE MATCHING

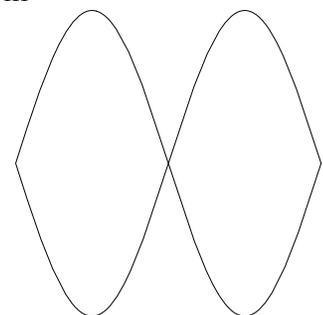
O. Knill, Math21a



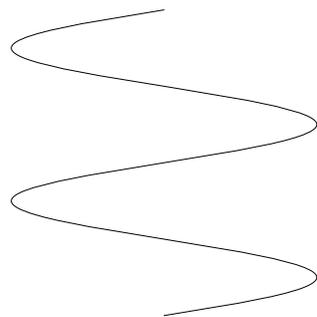
I



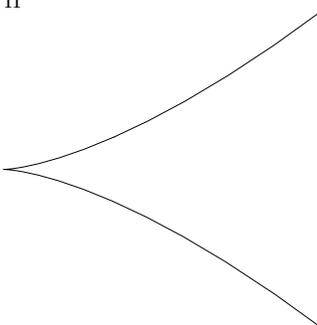
III



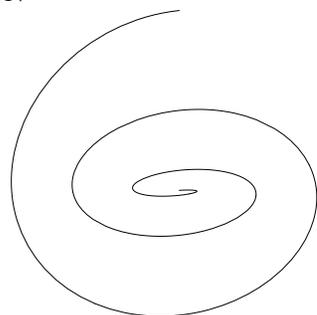
V



II



IV



IV

| Enter number I,II,III,IV,V,VI of the figure | Parametric equation of the curve                          |
|---|---|
|   | $\vec{r}(t) = \langle \cos^2(t), \sin(t) \rangle$         |
|   | $\vec{r}(t) = \langle t^2, t^3 \rangle$                   |
|   | $\vec{r}(t) = \langle 4 \cos(t), \cos(\pi/2 - t) \rangle$ |
|   | $\vec{r}(t) = \langle t \sin(t), t^2 \cos(t) \rangle$     |
|   | $\vec{r}(t) = \langle \sin(t), t \rangle$                 |
|   | $\vec{r}(t) = \langle  t , \sin(t) \rangle$               |