A parametric form of the **FERMAT** equation ?

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$$x=n \sin \theta$$
$$y=n \sin \theta$$

is the parametric form of a circle equation of radius **n**. The solution to $x^2+y^2=n^2$ is a point of the circle.

A critical fact is that

$$x=n (\sin \theta)^{2/p}$$
$$y=n (\cos \theta)^{2/p}$$
$(0<\theta<\pi)$

seems to be the parametric form of the **FERMAT** *equation*
$x^p + y^p = n^p$.

It would follow immediately that $p>2$ is impossible.