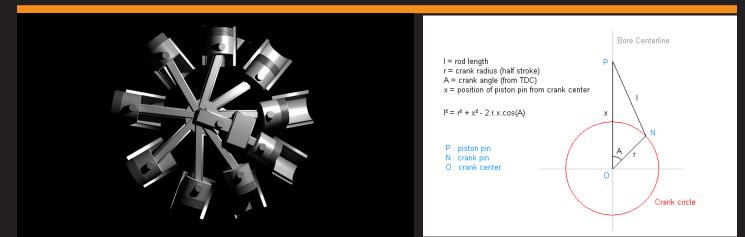
## Steven Burrichter Tech Art|VFX

## Radial Engine



## Fig 1: Final Render

Fig 2: Piston Equation Proof

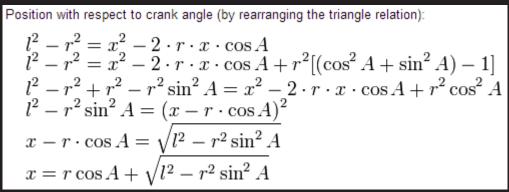


Fig 3: Rearranging the piston equation in order to solve for postion x.

Transform Subnet	EngineOptions		
Engine Speed	10	·	]
Piston Radius	3.5	(	
Number of Cylinders	9	k <u>──· · · · · · · · · · · · [</u> ] ──·	<del></del>
Cutaway	1	( <u></u>	[
	0.754		0.757

Located inside the subnet. A copy is located outside the subnet in /obj.

Engine Speed: Controls the rotation speed of the engine. Can go in reverse.

Piston Radius: Determines the radius of the pistons. Does not contribute to height.

Number of Cylinders: Determines the number of cylinders and automatically places them. Will clip if Piston Radius is too large!

Cutaway: Cuts the engine in half to reveal the pistons and internal workings.