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Vishal Arul* (varul.math@gmail.com). *Torsion points on curves of the form*
 $y^n = x^d + 1$. Preliminary report.

We classify torsion points on the curve $y^n = x^d + 1$ over \mathbf{C} , where n and d are coprime and satisfy $n, d \geq 2$. When $n + d \geq 8$, we show that the only torsion points on this curve are: (i) those whose x -coordinate is zero, (ii) those whose y -coordinate is zero, (iii) the point at infinity. When $n + d = 7$, there are more torsion points and we classify them all. (Received September 10, 2019)