



Plot of combination of natural ArcTetration and SuperFactorial:

$$y = \text{ate}(\text{SuFac}(x))$$

and Plot of combination of natural ArcTetration and growing superexponential SuExq2 to base $\sqrt{2}$ displaced in such a way that $\text{SuExq2}(0) = 5$:

$$y = \text{ate}(\text{SuExq2}(x))$$

References

<https://mizugadro.mydns.jp/B00K/468.tex> D.Kouznetsov. Superfunctions. Lambert Academic Publishing, 2020

http://www.vmj.ru/articles/2010_2_4.pdf D.Kouznetsov. Tetration as special function. Vladikavkaz Mathematical Journal, 2010, v.12, issue 2, p.31-45, In Russian. English version: <https://mizugadro.mydns.jp/PAPERS/2009vladie.pdf>