

max $2.88159((x-0.74999)^{0.7337}(0.99999-x)^{0.4296})/(0.99999-0.74999)^{2.1633}$ where $0.74999 \leq x <$

Input interpretation:

maximize	function	$\frac{2.88159 (x - 0.74999)^{0.7337} (0.99999 - x)^{0.4296}}{(0.99999 - 0.74999)^{2.1633}}$
	domain	$0.74999 \leq x \leq 0.99999$

Global maximum:

$$\max \left\{ \frac{2.88159 (x - 0.74999)^{0.7337} (0.99999 - x)^{0.4296}}{(0.99999 - 0.74999)^{2.1633}} \mid 0.74999 \leq x \leq 0.99999 \right\} \approx 5.35758$$

at $x \approx 0.907666$

Plot:

