$$f^{∕∕∕}+ff^{∕∕}=0$$

BC:

$$f^{∕}=1 at η\rightarrow +\infty $$

 $f^{∕}=0 at η\rightarrow -\infty $

 $\lim\_{n\to +\infty }\left(η-f\right)=0$