Exercises E23.v.9 [ISP]Prerequisites: [ISN]. With p as above, also analyze the prob-

 $p(D)f = e^{\alpha x}$

(with
$$\alpha \in \mathbb{C}$$
 constant).

(with $\alpha \in \mathbb{C}$ constant).

What happens when α approaches a root of the polynomial p?

[1SQ]