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Vita Borovyk* (vita.borovyk@uc.edu) and **Konstantin Makarov**. *Box approximation for a pseudo-differential operator with an unbounded symbol.*

We study the attractor of a dynamical system $r \rightarrow A_r$, where A_r is the operator obtained by surrounding a truncated Wiener–Hopf operator with the multiplication by $e^{\alpha/2| \cdot |}$, $\alpha > 0$, on both sides. In the case when the symbol is a rational function with two real zeros A_r is a symmetric operator with deficiency indices $(2, 2)$ and not semi-bounded from below. We show that in this case the dynamical system $r \rightarrow A_r$ possesses a limit-circle-type attractor. (Received September 15, 2016)