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We study connections between extremal accretive quasi-self-adjoint dissipative extensions of a non-negative symmetric Shrödinger operator with deficiency indices  $(1, 1)$  on  $L_2[\ell, +\infty)$  and the moduli of their von Neumann's parameters. It is shown that the modulus of the corresponding von Neumann's parameter belongs to the interval  $[\kappa_0, 1)$ , where  $\kappa_0 \geq 0$ . For  $\kappa_0$  we derive a new formula in terms of the values of the Weyl-Titchmarsh function  $m_\infty(-0)$  and  $m_\infty(i)$ . An example that illustrates the obtained results is presented.

- [1] S. Belyi, E. Tsekanovskii, *On von Neumann's parameter of extremal Shrödinger operator*, Bulletin of Donetsk National University, Series A: Natural Sciences, vol. 2, (2019), pp. 91-97.

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