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We will discuss the spectral zeta function of a self-similar Sturm-Liouville operator on the half real line and C. Sabot's work on connecting the spectrum of this operator with the iteration of a rational map of several complex variables. The Sturm-Liouville operator on $[0, \infty)$ is viewed as a limit of the sequence of operators $\frac{d}{dm_{\langle n \rangle}} \frac{d}{dx}$ with Dirichlet boundary condition on $I_{\langle n \rangle} = [0, \alpha^{-n}]$ which are the infinitesimal generators of the Dirichlet form $(a_{\langle n \rangle}, m_{\langle n \rangle})$. In particular, it is defined in terms of a self-similar measure m and Dirichlet form a , relative to a suitable iterated function system on $I = [0, 1]$. In the case of the Sierpinski gasket, as was shown by A. Teplyaev, extending the known relation by M. Lapidus for fractal strings, the spectral zeta function of the Laplacian has a product structure with respect to the iteration of a rational map on \mathbb{C} which arises from the decimation method. In the case of the above self-similar Sturm-Liouville problem, we obtain an analogous product formula, but now expressed in terms of the (suitably defined) zeta function associated with the dynamics of the corresponding 'renormalization map', viewed as a rational function on $\mathbb{P}^2(\mathbb{C})$. (Received June 29, 2011)