

Jacob's ladders and the three-points interaction of the Riemann zeta-function with itself

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It is proved that some set of the values of $|\zeta(\sigma_0 + i\nu p_1(t))|^2$ on every fixed line $\sigma_0 = \sigma_0 > 1$ generates a corresponding set of the values of $|\zeta(\frac{12+it}{12})|^2$ on the critical line $\sigma = \frac{1}{2}$ (i.e. we have an analogue of the Faraday law).

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