This file is a supplement to the paper:

P. Mörters, M. Ortgiese and N. Sidorova

Ageing in the parabolic Anderson model

It contains an animation of the limiting process Y appearing in Theorem 1.6. For more information, see the preprint available at

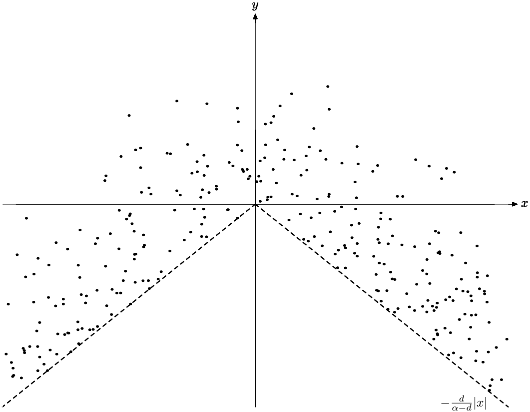
http://people.bath.ac.uk/maspm/

To view the animation, please open the file in full screen mode.

Definition of the limit process Y

Let Π be a Poisson point process on H with intensity measure

$$\nu(\mathrm{d}x\mathrm{d}y) = \frac{\alpha \,\mathrm{d}x\,\mathrm{d}y}{(y + \frac{d}{\alpha-d}|x|)^{\alpha+1}}\,.$$



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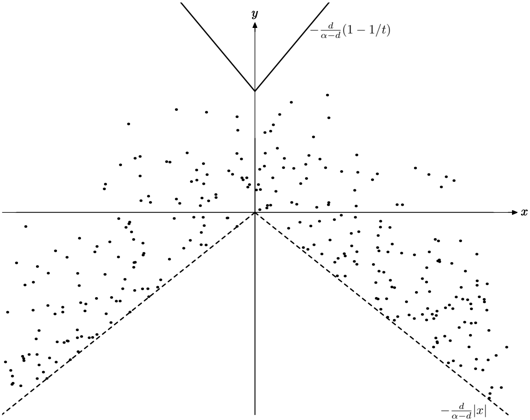

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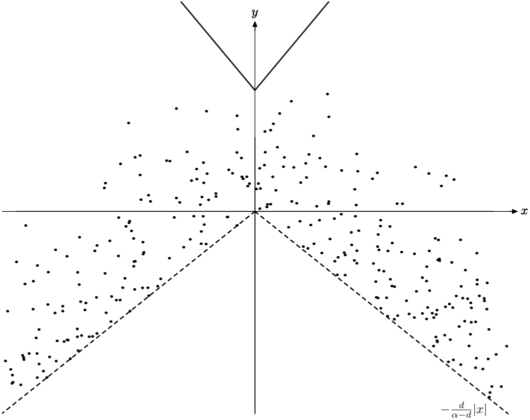

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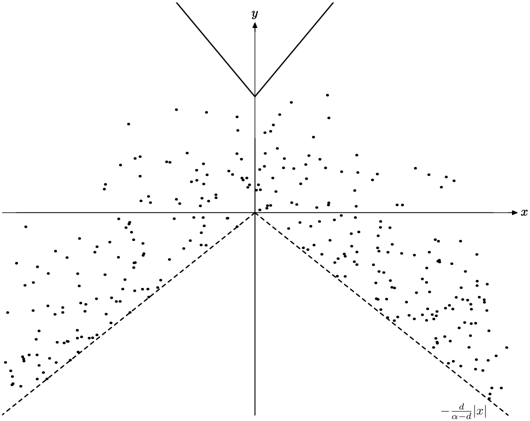

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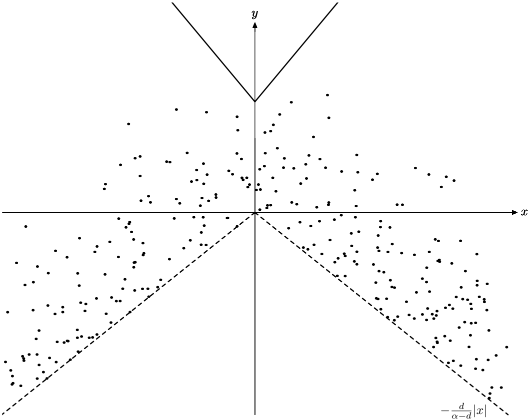

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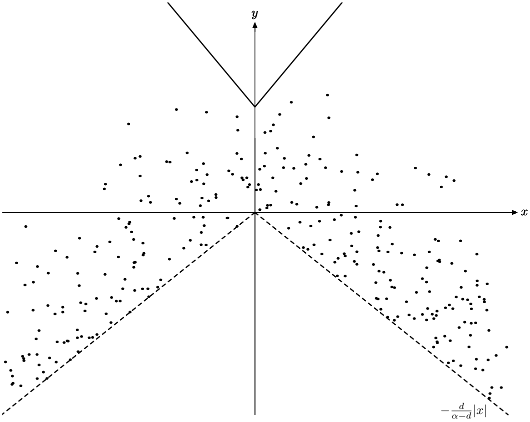

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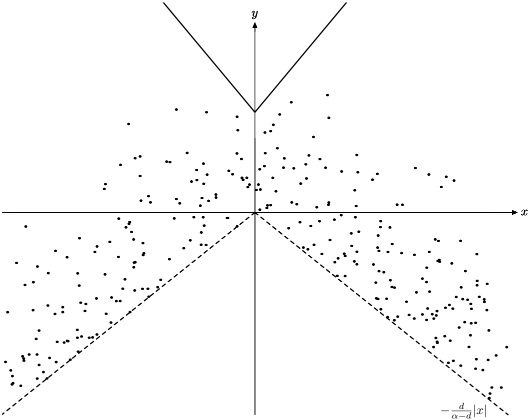

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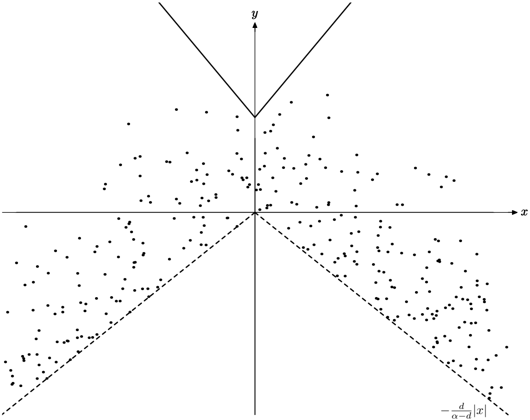

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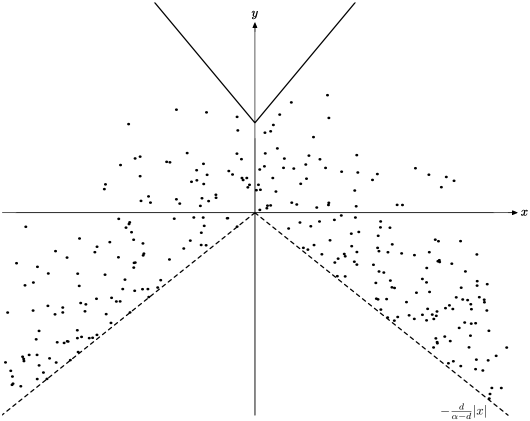

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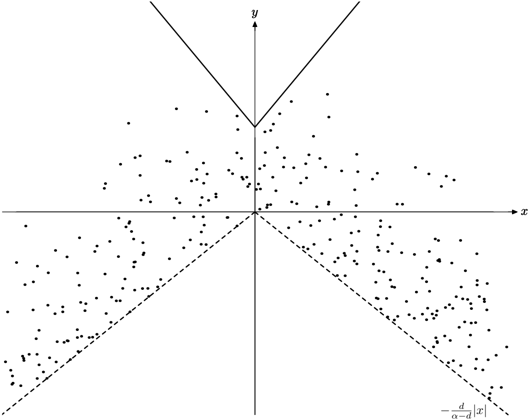

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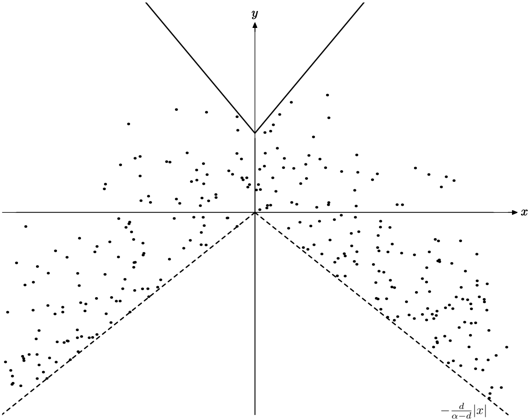

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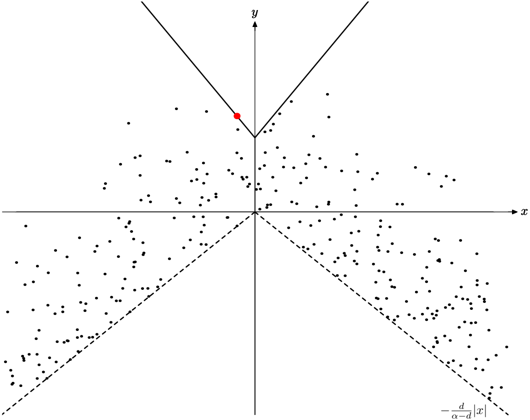

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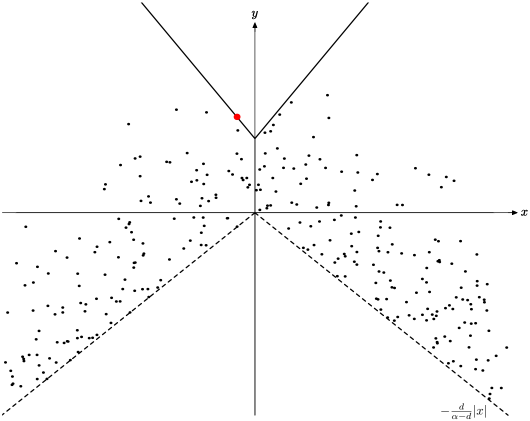

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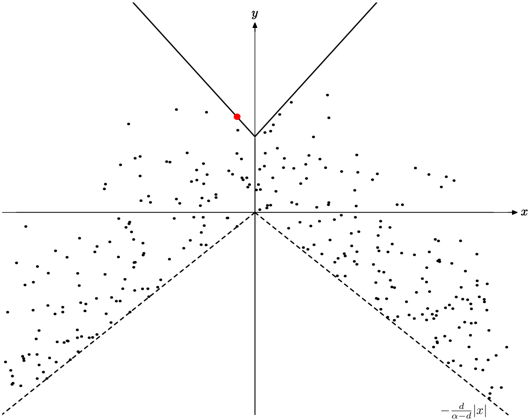

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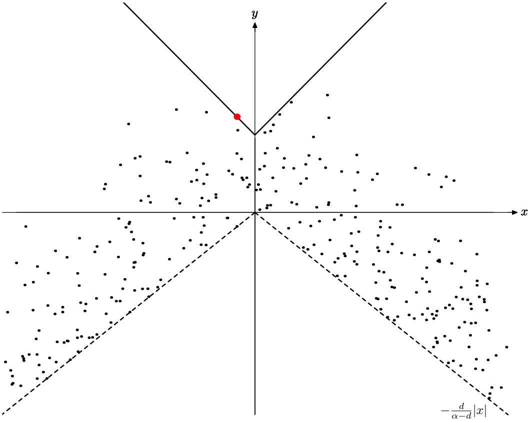

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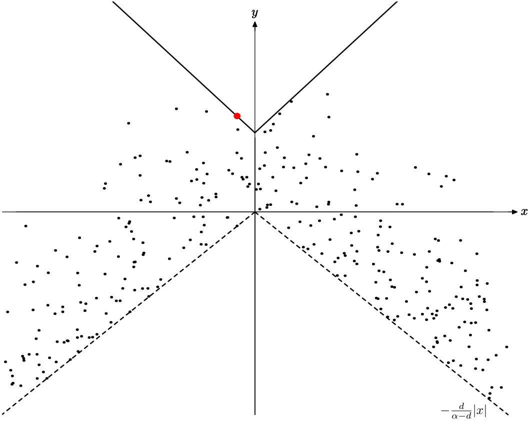

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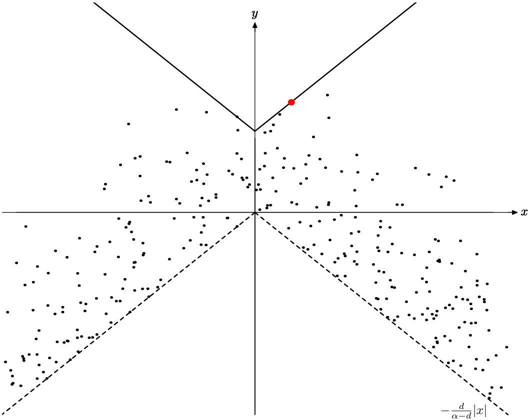

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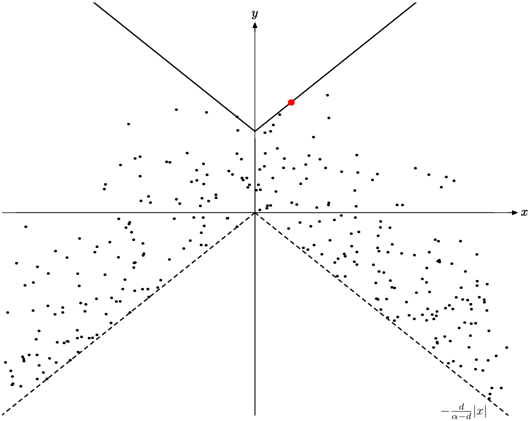

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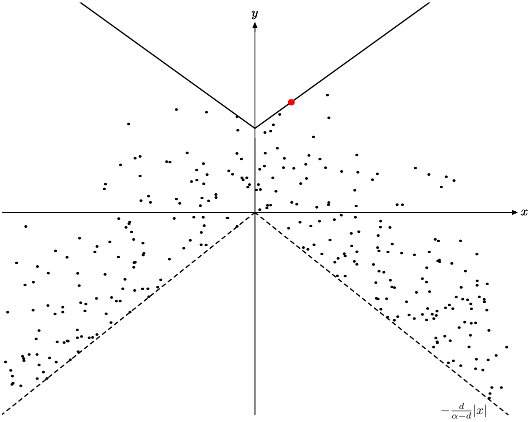

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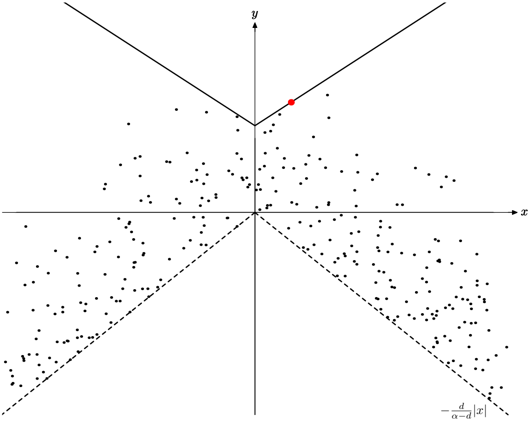

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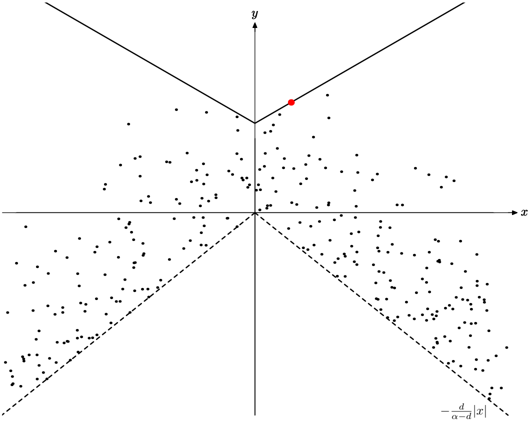

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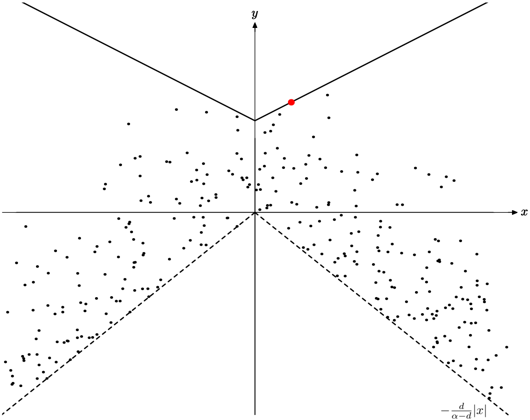

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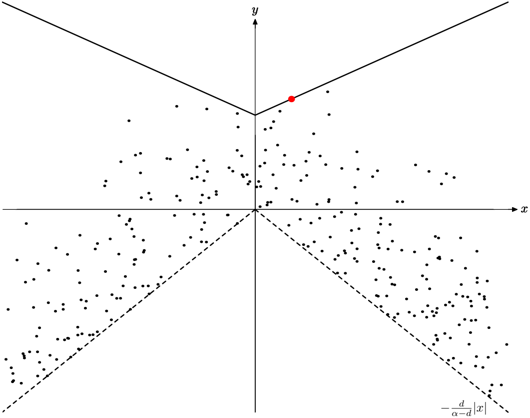

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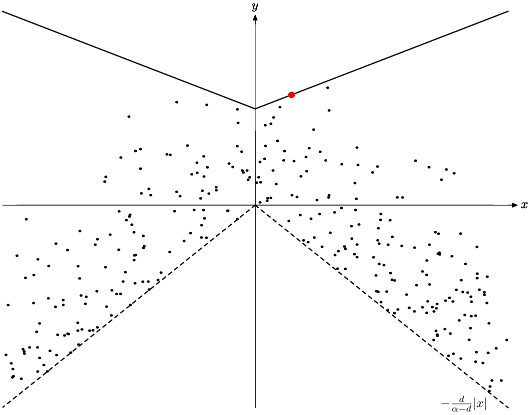

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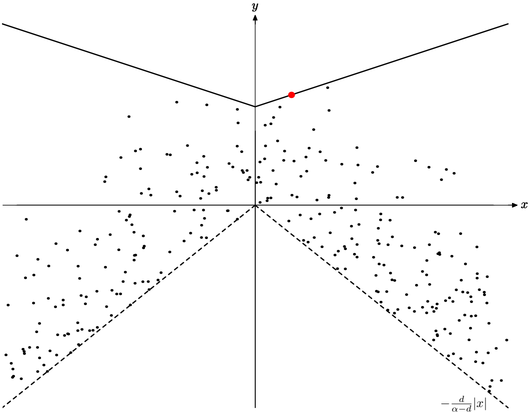

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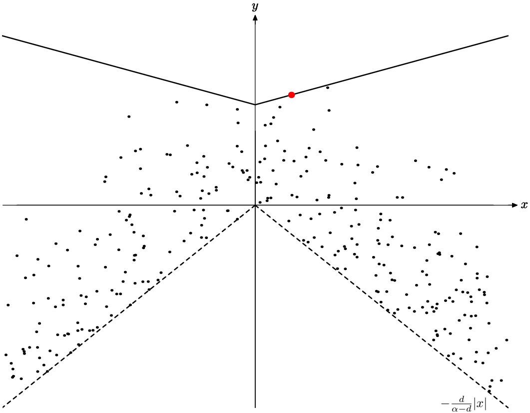

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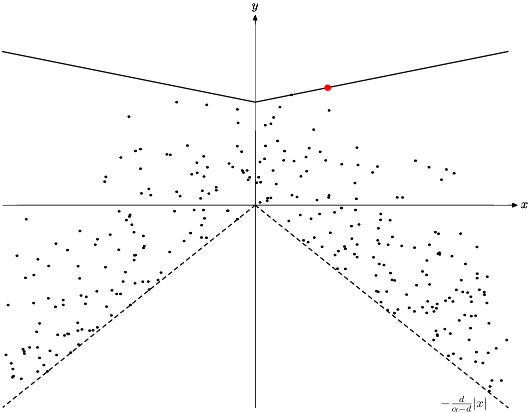

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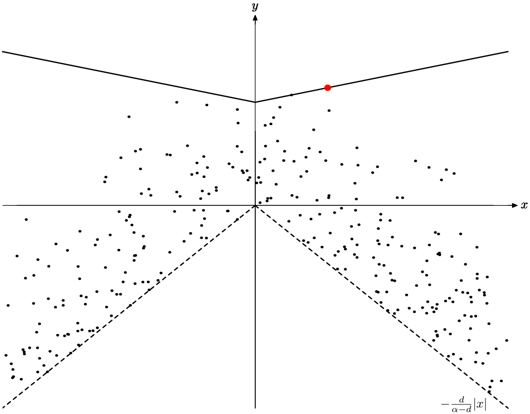

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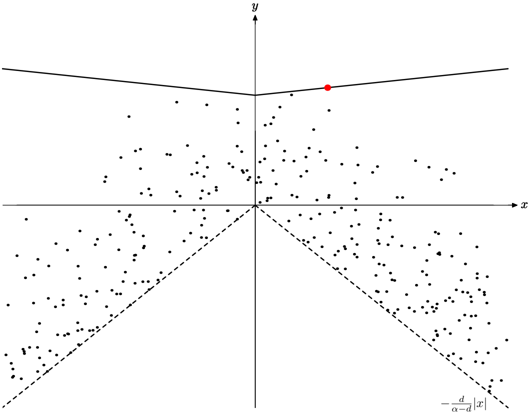

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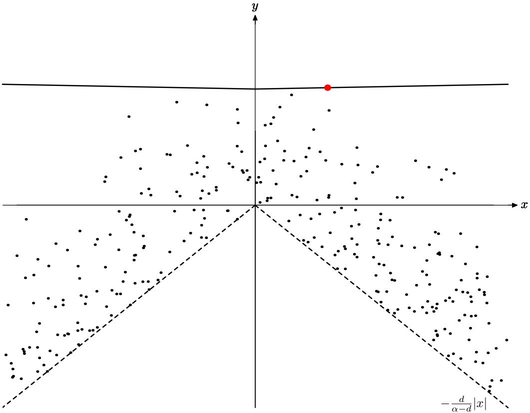

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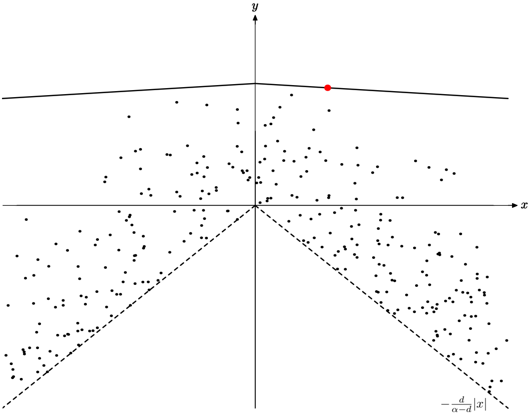

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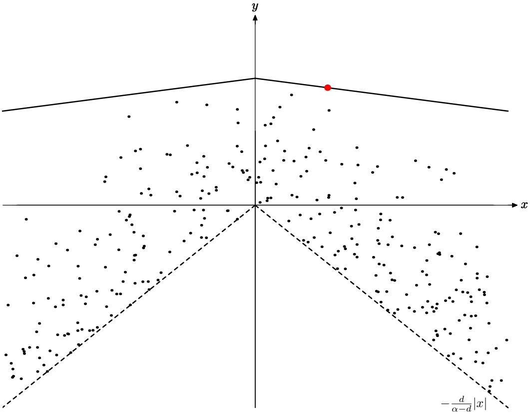

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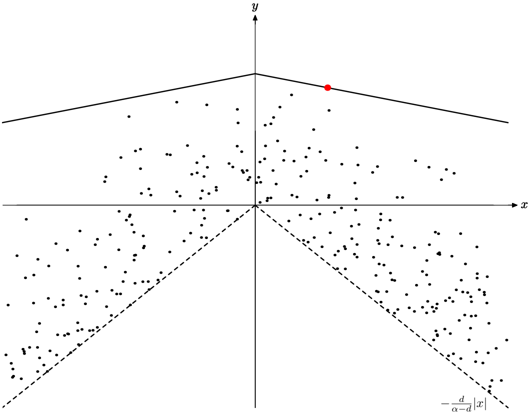

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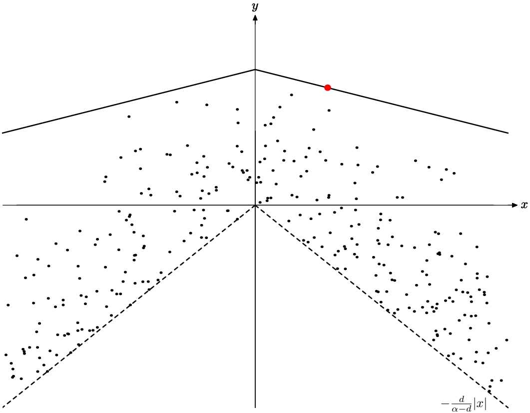

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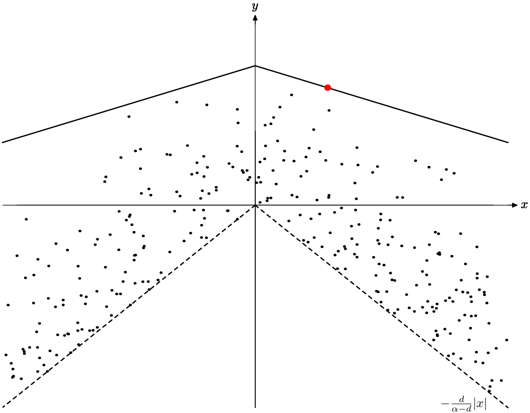

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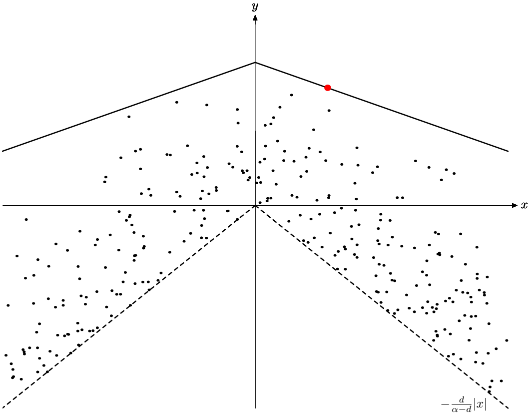

Definition of the limit process Y

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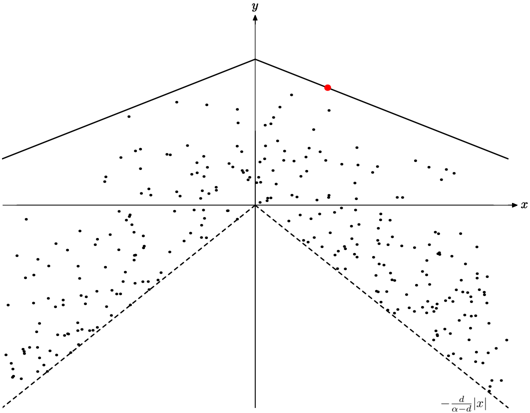

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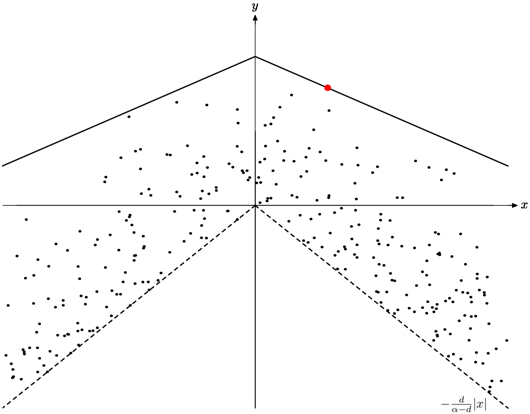

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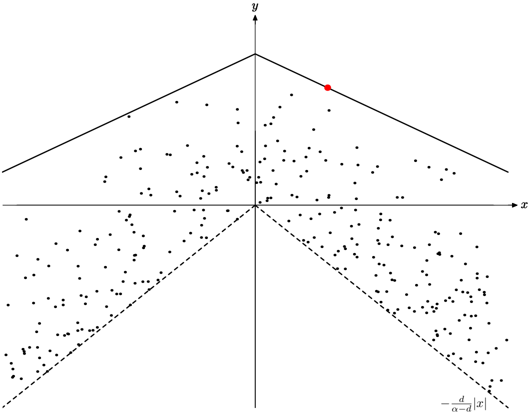

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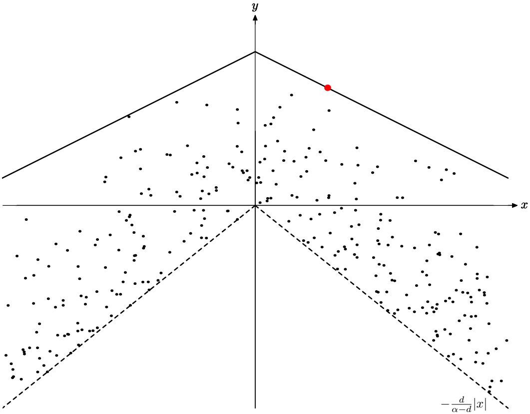

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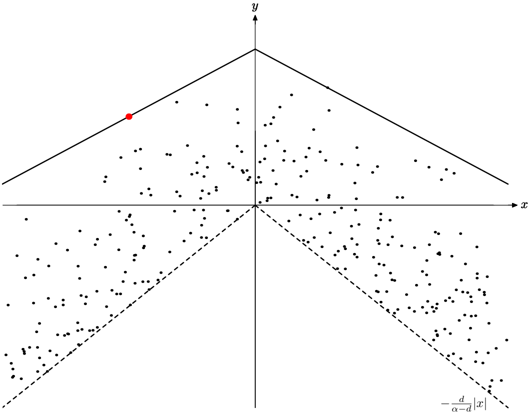

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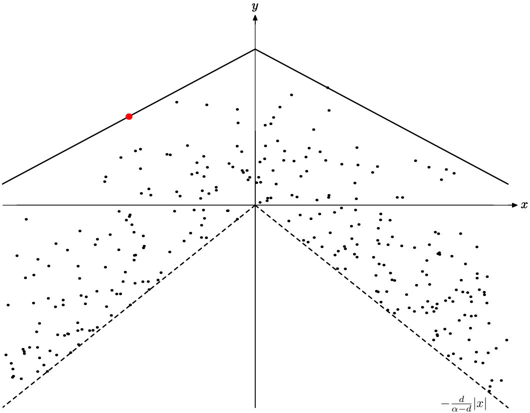

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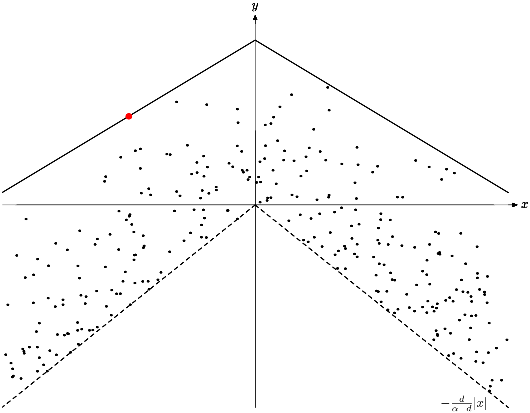

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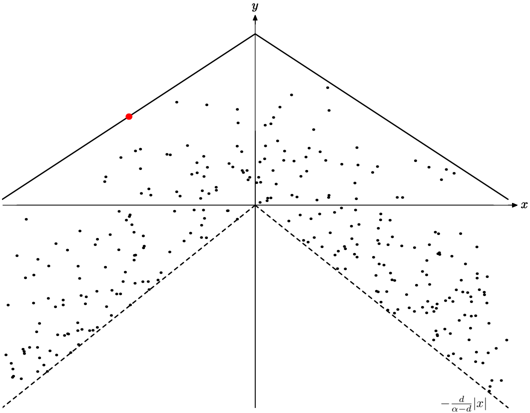

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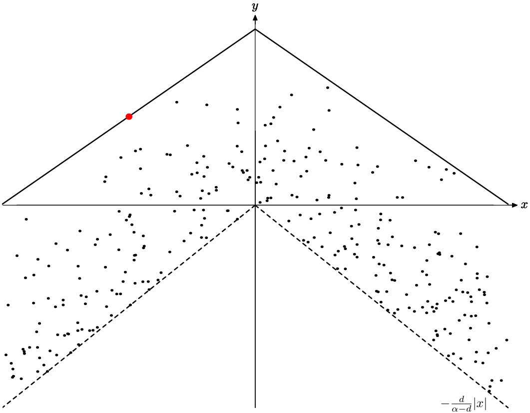

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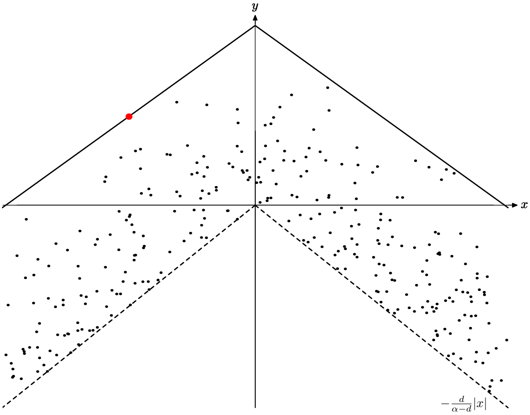

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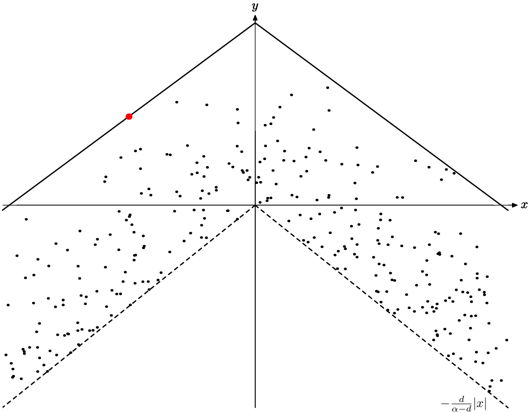

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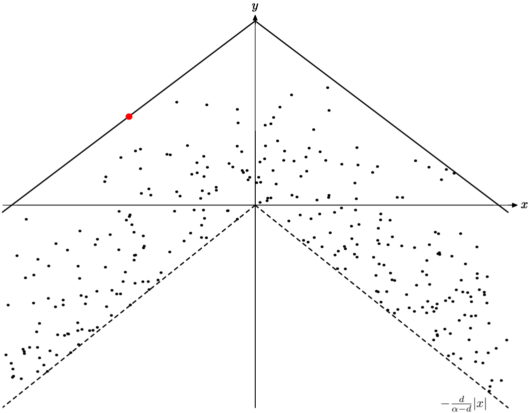

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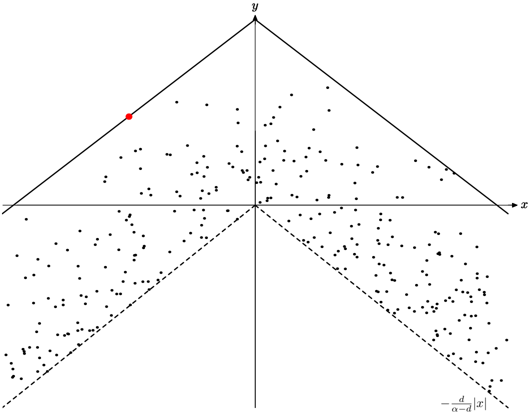

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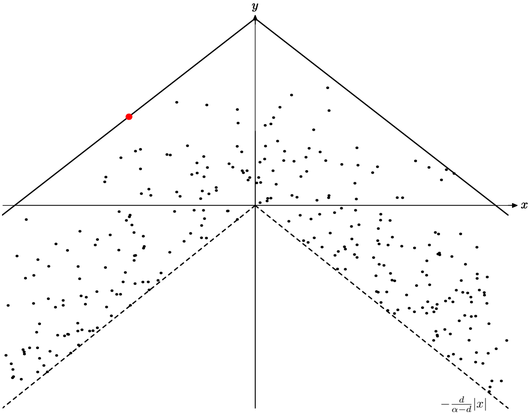

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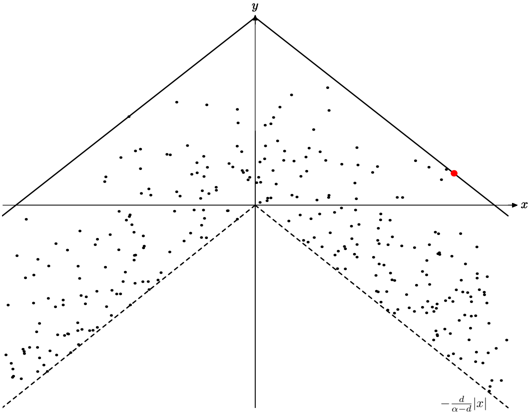

Interpretation of theorem

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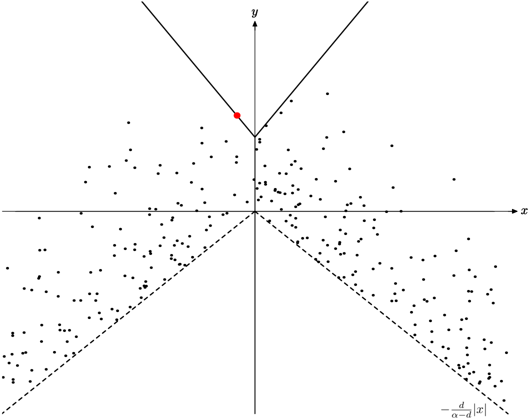

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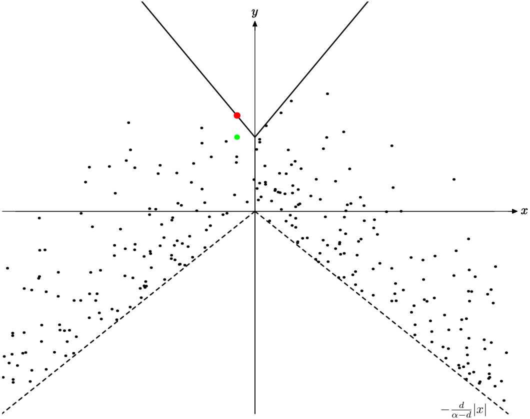

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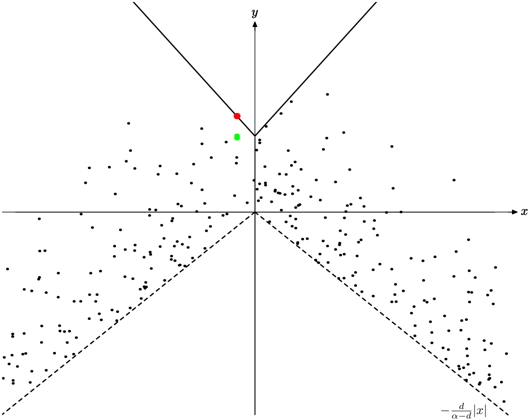

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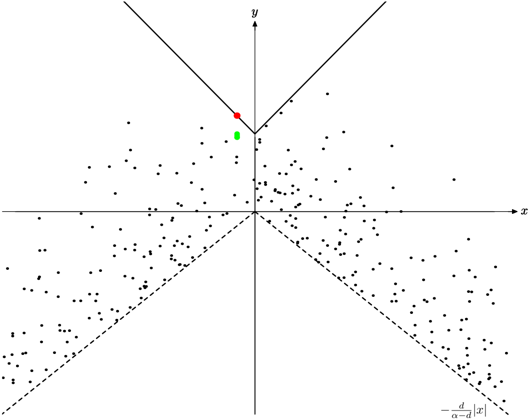

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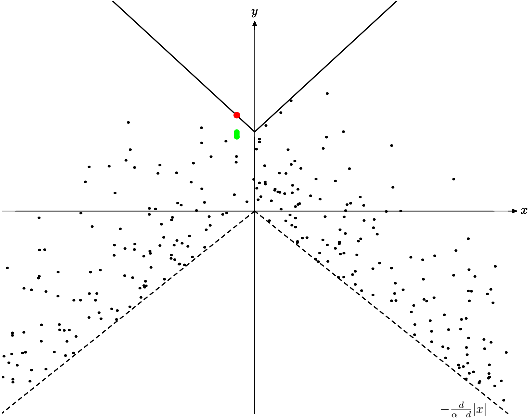

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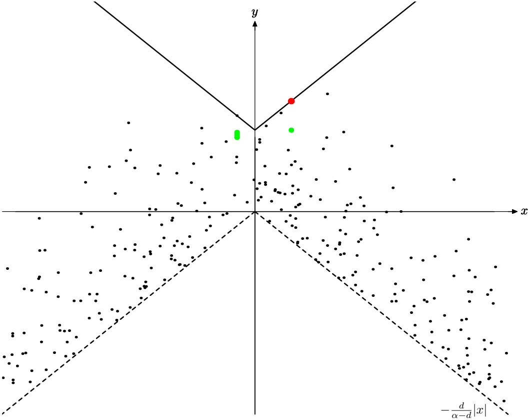

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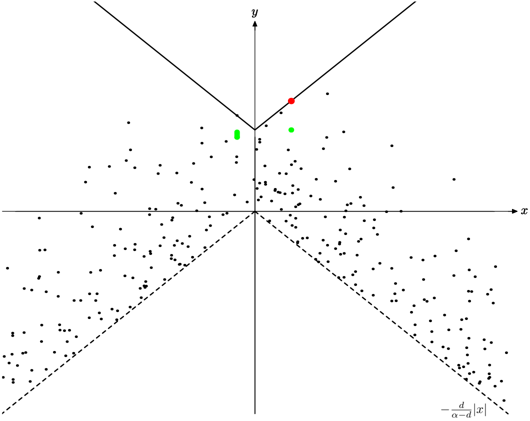

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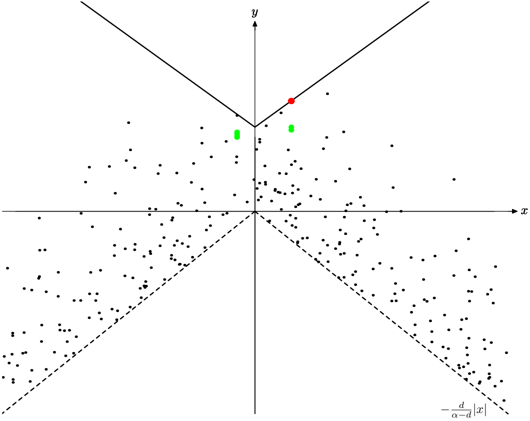

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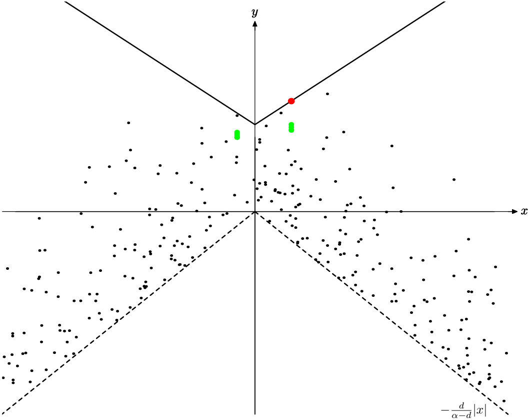

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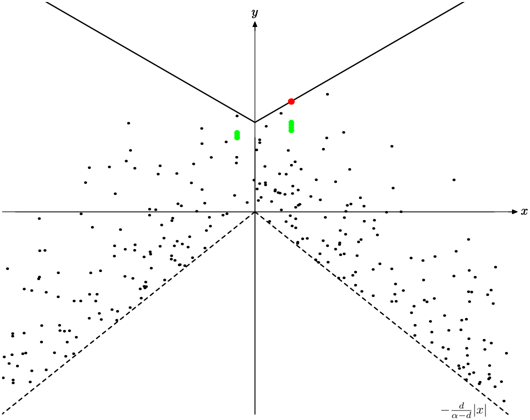

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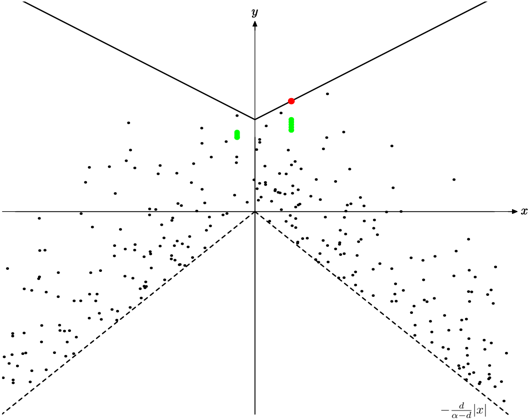

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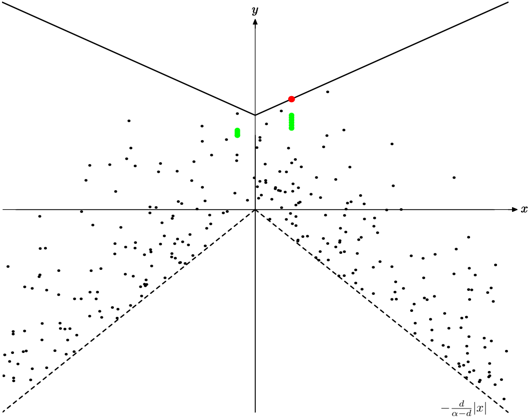

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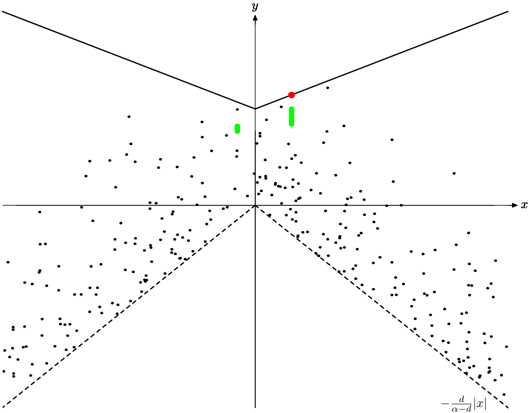

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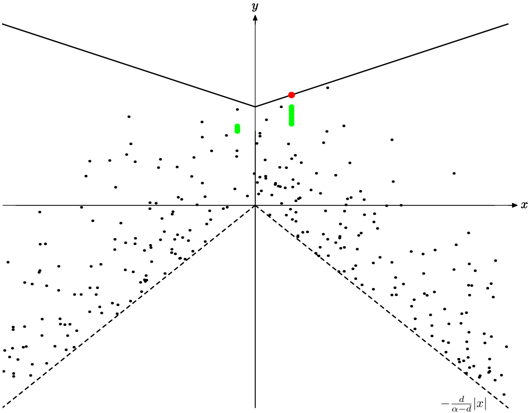

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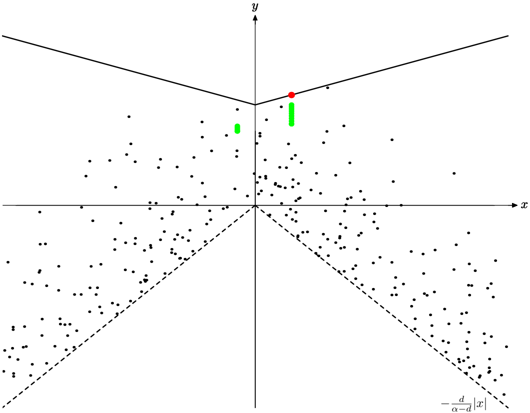

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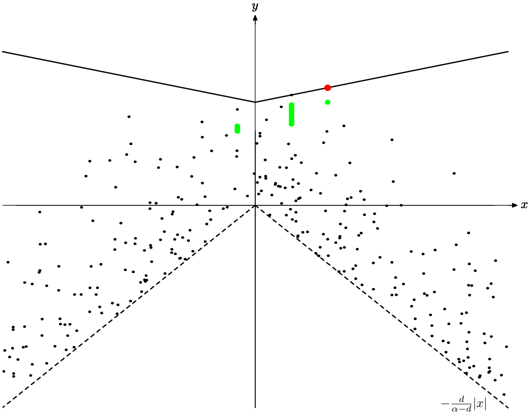

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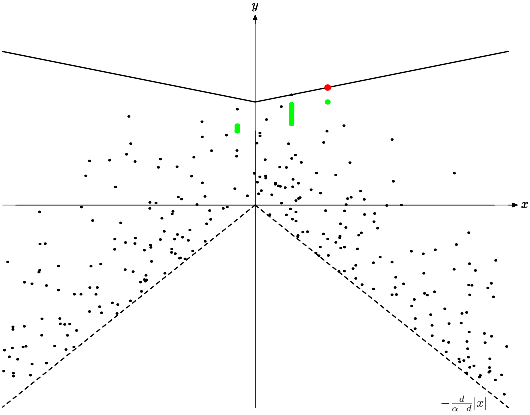

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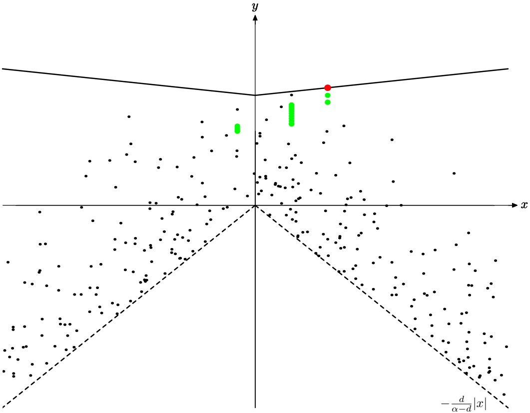

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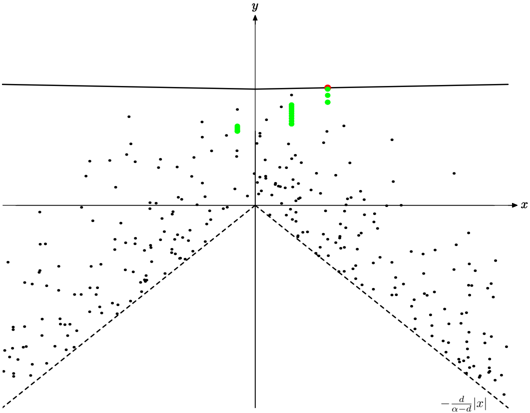

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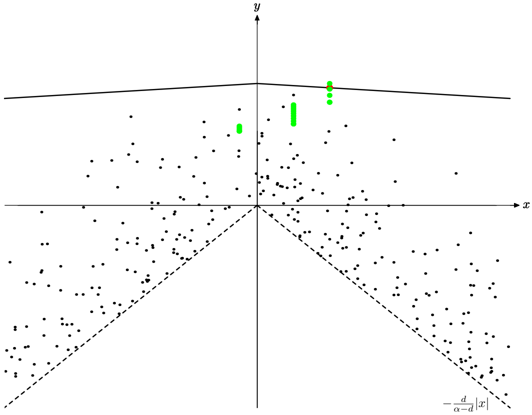

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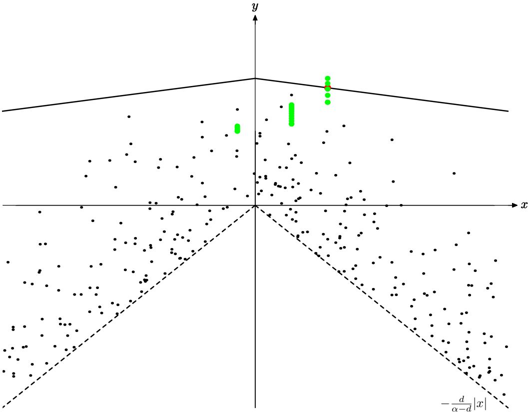

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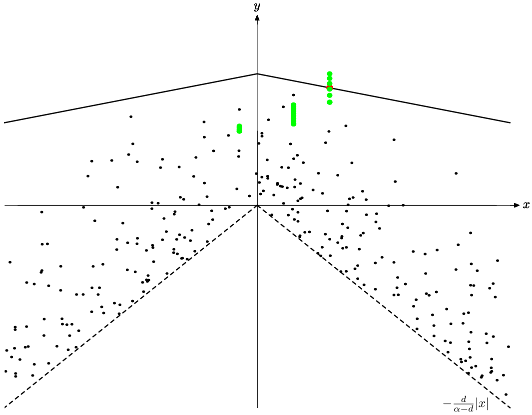

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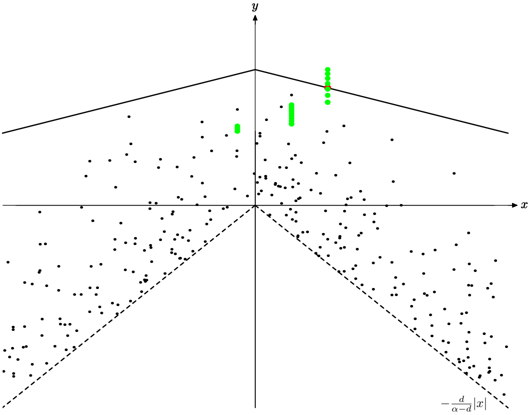
$$\Big(\big(Y_t^{(1)}, Y_t^{(2)} + \tfrac{d}{\alpha-d}\big(1-\tfrac{1}{t}\big)|Y_t^{(1)}|\big) \,:\, t>0\Big)\,,$$

Note the second component corresponds to the second component of the tip of the cone that defines Y_t.



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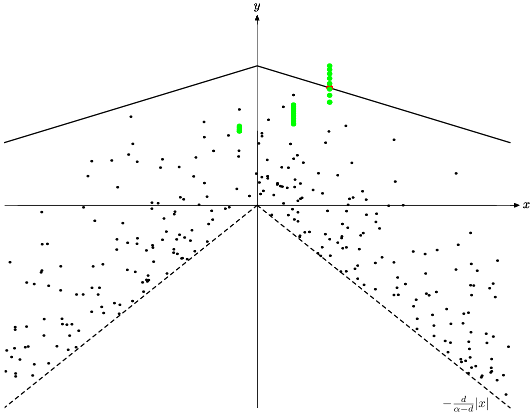

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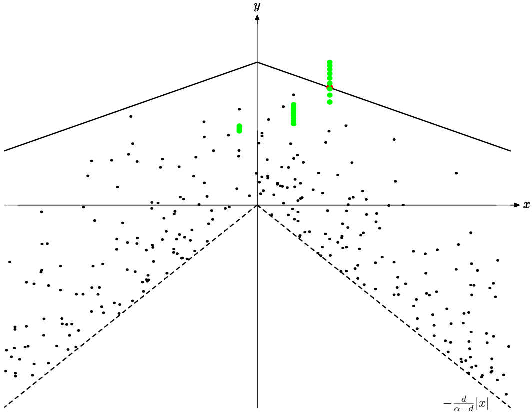

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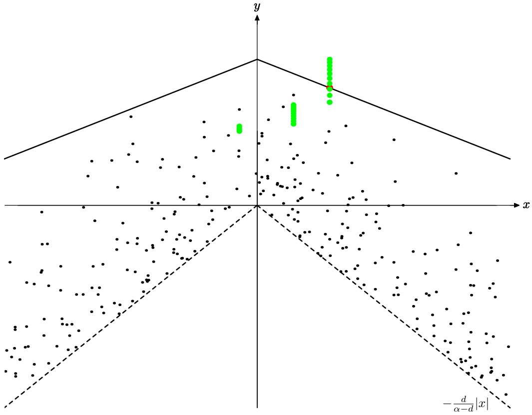

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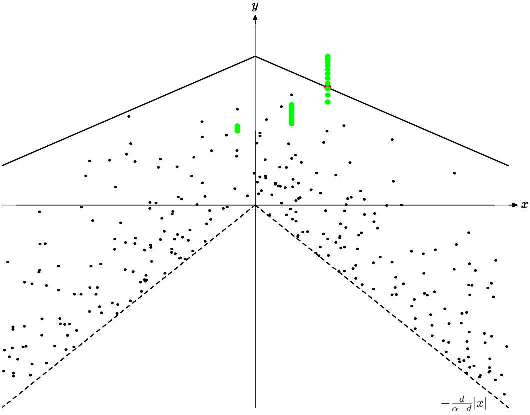

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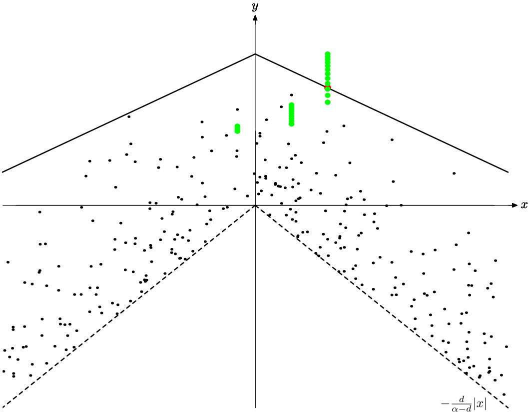

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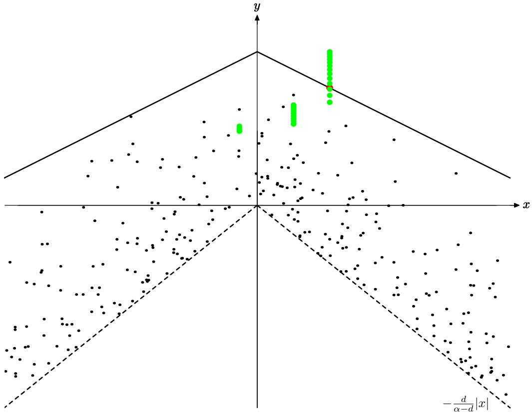

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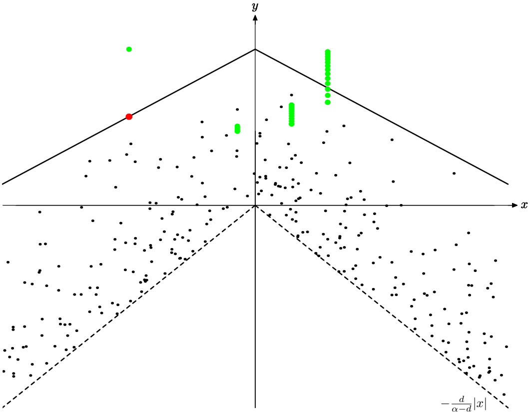

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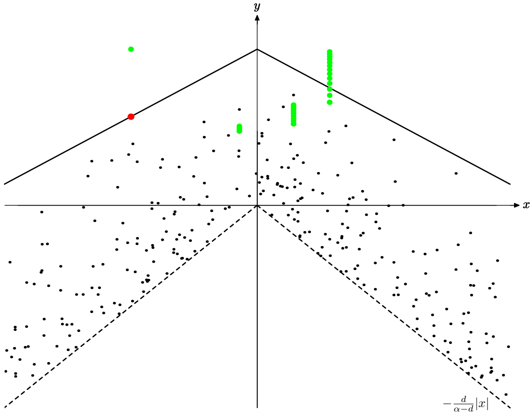

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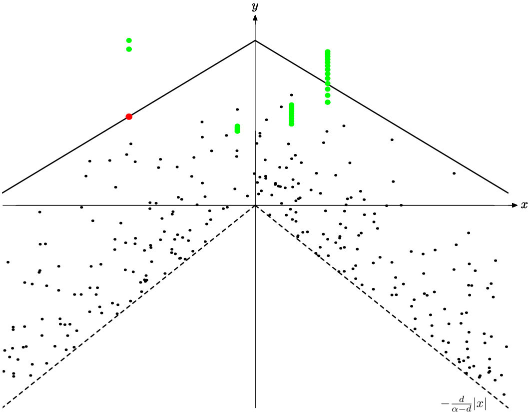

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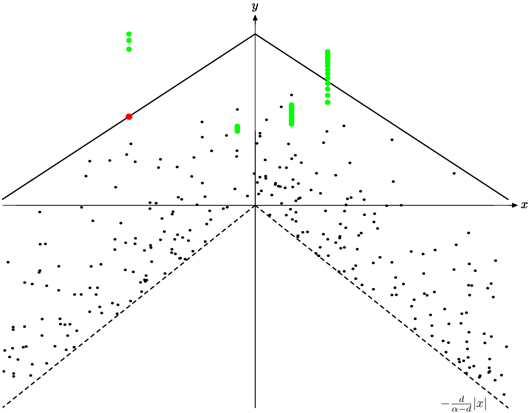

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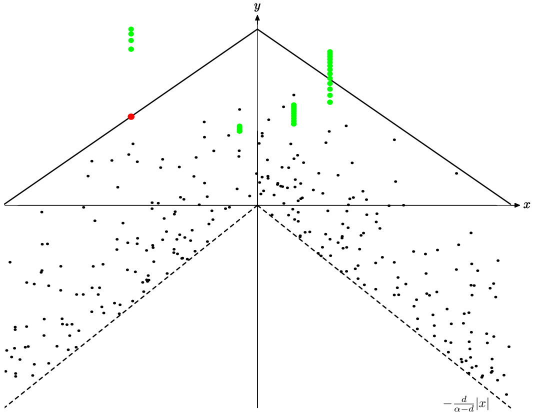

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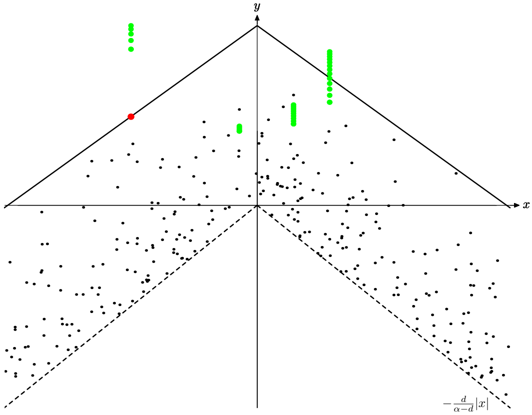

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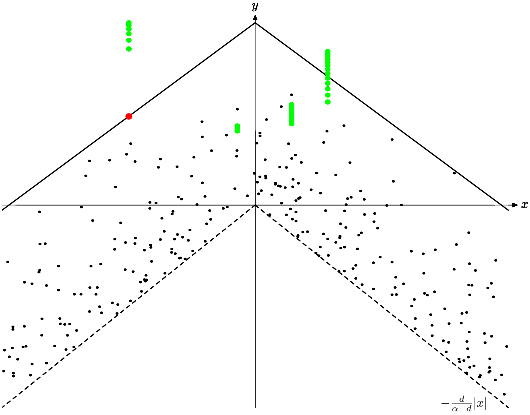

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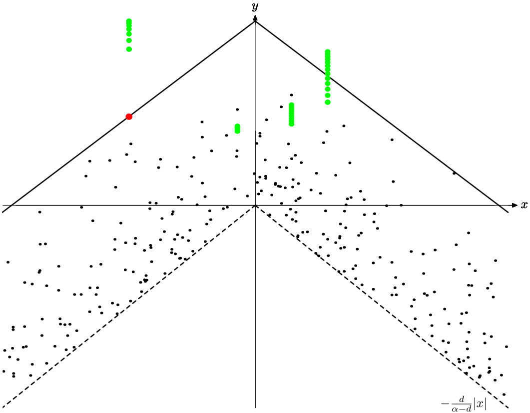

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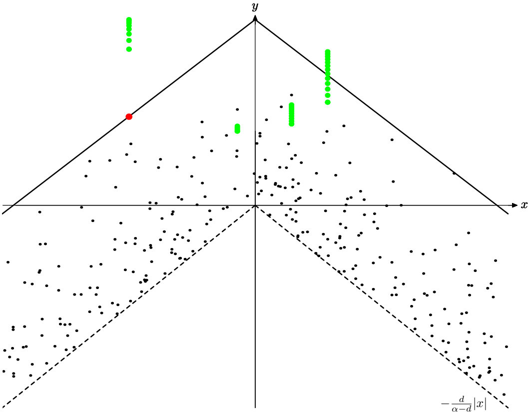

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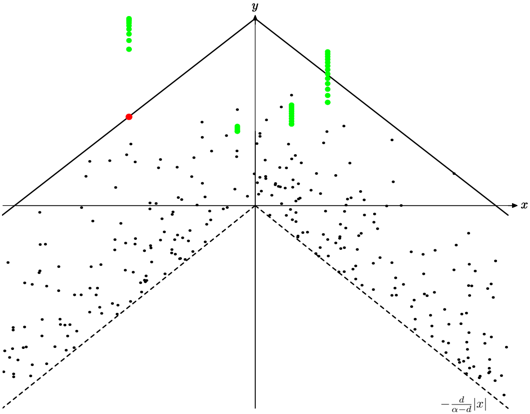

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