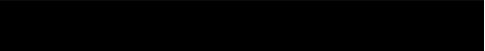


Currents and effective resistance

A flow i from u to v is a





Walsh decomposition

L0.717 0gw 023i173(1)-3R52127.825(o)-0.3288(1)-0.15230(1)-0.7d [1]40.1437

Countable networks

Comments on $B_n = \{ \dots, n \}^d$

Fluctuations on the torus

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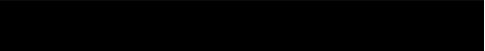


Computation of $\frac{i_r^{u,v}(e)}{r(e)}$

Differentiate the node and cycle laws:

$$d i_r = \dots$$





Consequence of (2): Gaussian approximation

$$\bar{R} := \frac{R - E(R)}{\sqrt{\text{Var}(R)}}$$

Define $J(L) = \{$

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To summarize . . .

Two conditions for gaussian approximation:

$$(L) = \sup_e,$$



Adaptation of the preceding setting ?













