Porta.

-ulso, # graphs zu! at 6(n), and somes has only in

- Bry dges - Battle - Fedenbush:

- let
$$f(n) = \sum_{S \in G_{C}(n)} Val(S) [\pi(v(2a; -2a; n))]$$

- then $f(n) = \sum_{T \in T_{n}} [T, ge] \times [d\mu_{T}(t) det G_{T}(t)]$

1) There;

1) The afree between a vertices

(by int. out is in interactions)

(by int. out is interactions)

(of the interactions)

(of the current is any expected by propagatos

prouded the vertices are counseled by propagatos

(ii) the formal is any expected by propagatos

Problem estimate det is

Gram-Hadamard inex, let the new matrix

Such that this = (Ai, Bi)

Then let the Ett.

- it torns out we get ou dicergence Multiscule analysis (RG) -write g(EN) = g(E6) + Z g(K) $y^{(h)}(z_{3}z') = \frac{1}{3} \frac{2}{u_{0} \in M_{B}} \frac{e^{-iu_{0}(z_{-}z_{0}')}(z_{3}z')}{e^{-iu_{0}(z_{-}z_{0}')}(z_{3}z')} f_{n}(u_{0})$ where fir(u0)= /(2-k|u01)-/(2-(K-1)|u01) Graßmann Variables. -> finite set (2/4) 7/2) 26/ 5.6. 27/2/4/5=6 -> let (dyt, dyt) det s.t. {dyt, dyt, }=e -def. \dy2=0,\dy2=1 - F(4) polynomial => +(4)= Ex f(x) 4(x) - Ju(x) to dut dut = sign (n(x)) => 4(x) 5 Sign (tlx)) 4 / 14 7 141 -- 4 7 4 1

Then Joy e Zas 42 Mas 4 The Ys 4 Ti Then Joy e Zas 42 Mas 4 The 4 This is a company of the comp -given g |A|x|A| invertible w & 923/E/11: eigenvalues, let (=9" and define P(d4); [Md4+d4, gd] e- Edys 4x Cup 48 - immediately & P(dy) = 1, P(dy) 4 4 4 3 = 9 ds Prop (Graß Wick rule) (P(dy) 42, -- 42 45, -- 4pm = Su, m Zn Sign (n) T gdi, n (Bi) Ruk. Partage (dry) & Partage (dry) Partage (