TASEP/ASEP

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Monday, May 19, 2025 8:14 PM

Asymptotic Simple Fraction Proces / ASEP)

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Asymptotic Simple Fraction Proces / ASEP)

| Asymptotic Simple Fraction Proces / ASEP)
                             Can be ancoted as roudon grown.
                             right jump: go up
   Quantity of islands, at size to, he may particles to the right of 0?

(A) ingular or guide at 0 at size to.

(A) applied point). For 16, 169 ... guid tout to - 18, 16, 16 x) conseque to some $1.00.000 (m) (1841)

(1841) The manufacture of the consequence of th
      (see given grow). In h', h' , good, that sep - h' to (FA) caseges to some f:ROH(R)-my (FA) . Then VP - h^{\frac{1}{2}}(k, \frac{1}{2}k) - \frac{1}{2}) caused to the under posts f:ROH(R), with distribution function f:ROH(R). Consider f:ROH(R) for f:ROH(R) considered f:ROH(R) for f:ROH(R) considered f:ROH(R) for f:ROH(R) considered f:ROH(R) for f:ROH(R) considered f:ROH(R)
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             |mailian [1.86612].

Gr(1,...,Xi,7;3,1,...,3): Bull parties at Xiculocick, at sime 5; sensing from 3, eq.c. ed, at sime 6]

The subtract G (billiums found senses) (remails to 12641)

The subtract G (billiums found senses) (remails to 12641)

and (605): 6 ferry 3) + 66(14;5) - 6(01); 650; 650;

gate: Xiculocick foundation (A) + 6(14;5) + 6(14); (A) + 6(14;6); (A) +
   Transition Probability.
                                                                                               German of German Carly the Southern Construction (Construction Construction Construction)
                   Ide: find of as $4=16; find equationing of the opened L! (Bake outs)
                                       和上艺碑,
                                                                                  PECU)+ $PLMY-$W >PECU); The EW: 27, then >= $P.4587.
                                          N=2: PECK-1 X)T 9E(x2) X)+PEKI X-4+ 9E(x1, X4) -2E(X, x4) XE(x, X4)
                                                                                  After attitudy, but is adjusted to the Took of the Too
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             this con be deviced use 1300e Austr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Alternative, con streety check it appetes killingum formal exercism, using the tasts First (cs. 4)= Fift (cs. 4)= Fift (cs. 4)= First (cs. 4)
                                                                                                                   Have Fa(x,t) = 1 $ 1 th (1-1) - e-4 + b
                                                                                                                                                                                                                                                                        Umstaur gudose ok 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1. (i) = 1. (i) = 1. (i)
                                    Now squee g == not , find the purbability of all in particles 21 at time t:
                                                                      \begin{array}{lll} & -\text{prote } \int_{\mathbb{R}^{2}} \det \left( \mathbb{E}_{3}(x_{1}x_{2}), x_{1}^{2} \right) \Big|_{L^{2}}^{n} & = & \sum_{\substack{j \in \mathcal{N}_{1}, j \in \mathbb{N} \\ \text{def}}} \underbrace{\int_{\mathbb{R}^{2}} \det \left( \mathbb{E}_{3}(x_{1}x_{2}), x_{2}^{2} \right) \Big|_{L^{2}}^{n} & = & \sum_{\substack{j \in \mathcal{N}_{1}, j \in \mathbb{N} \\ \text{def}}} \underbrace{\int_{\mathbb{R}^{2}} \det \left( \mathbb{E}_{3}(x_{1}x_{2}), x_{2}^{2} \right) \Big|_{L^{2}}^{n} \det \left( \mathbb{E}_{3}(x_{1}x_{2}), x_{2}^{2} \right) \Big|_{L^{2}}^{n} \\ & = & \underbrace{\int_{\mathbb{R}^{2}} \det \left( \mathbb{E}_{3}(x_{1}x_{2}), x_{2}^{2} \right) \Big|_{L^{2}}^{n} \det \left( \mathbb{E}_{3}(x_{1}x_{2}), x_{2}^{2} \right) \Big|_{L^{2}}^{
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   = \frac{1}{n!} \int_{0}^{\infty} dt_{1} \cdot \int_{0}^{\infty} dt_{n} \prod_{j \in I} \left( l_{n}(t_{j}) \right) ds \left( \left( \frac{1}{n} \left( (-t_{j})^{2} t_{p} \right) \right)_{j, k}^{2},
wing (3) for planes
(3) for planes
(4) for planes
(5) for planes
(6) \frac{1}{3!} \int_{[0, t_{p}]^{n}} dt \cdot dt_{n} \prod_{j \in I} (l_{n}(t_{p})^{2} t_{p}) \prod_{j \in I} (l_{n
                                                                                                                                                                                                                                                                                                                                      → 1/2 2 1,-4,5 m 1 (x-4) 1 1 1 x/1 x/1
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                                                                                                                                                                                                                                             for mital being one partie at each Zeo.

(Initial step initial)
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                                                                                                                                                       To the plant of the property o
                                                                                                                   More queed initial: hund analysis to analyze the above determinant.

(For TAGE?)
         Another perspective: Lour-Passage Persolation
                                       over all apright push from (1.) to (9.)

Arek. Toways = more (Toways), Toways) + W
                                                                                                                                                                                                                                                    Time when purticle is jumps mer hole j, by induction in i.j.
                                 Therefore n_{T(u),rog} - 4n) \rightarrow Trag-Walan GUE, as insure that TASEP with grand sitial data?
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