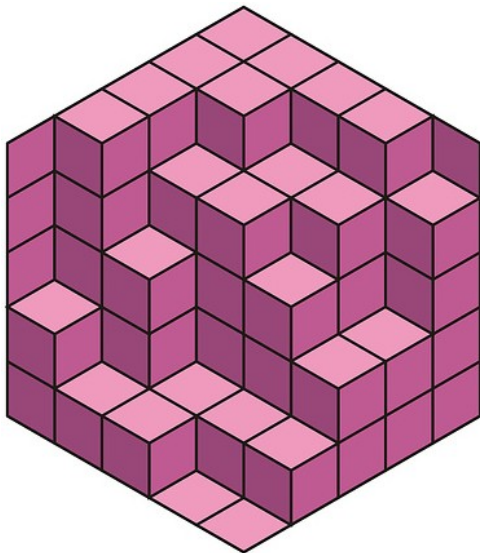


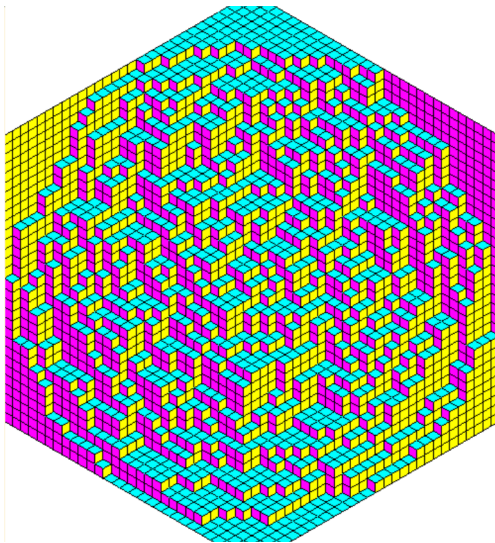
# Surfaces aléatoires, pavages, tableaux de Young, courbes arctiques

Philippe Marchal

# Pavage par des losanges



# Courbe arctique

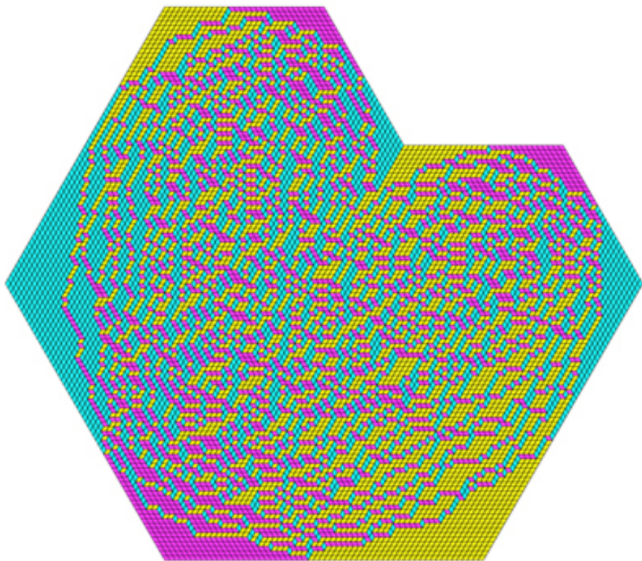


# Courbe arctique

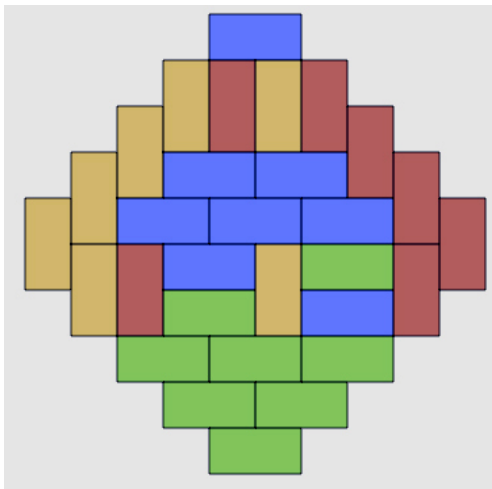




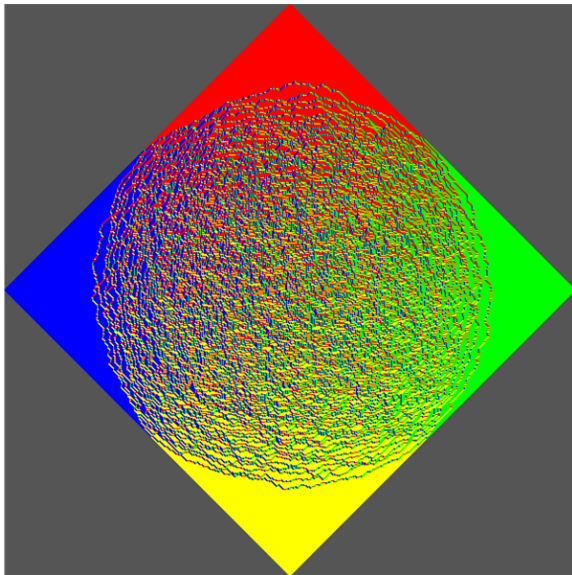
# Autres domaines



# Pavages par dominos



# Le diamant aztèque

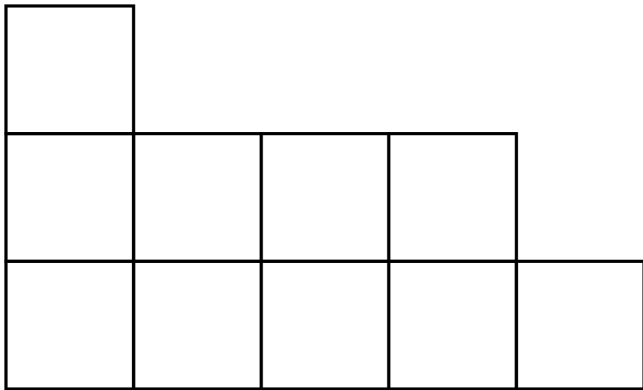




# Elkies, Kuperberg, Larsen, Propp

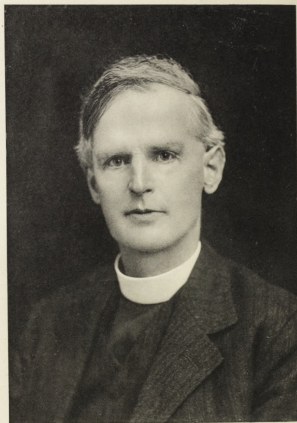


# Diagramme de Young



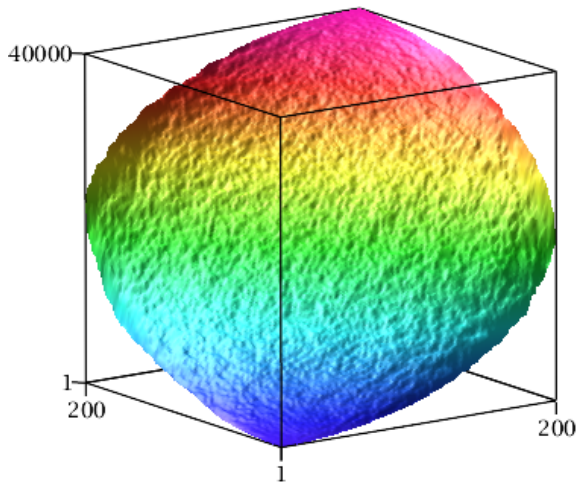
# Tableau de Young

4				
3	5	8	9	
1	2	6	7	10

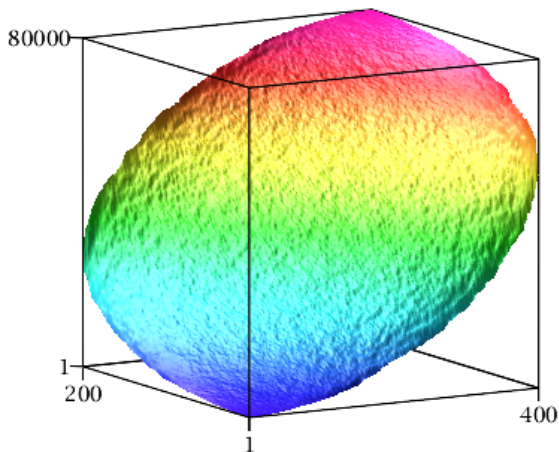


*Alfred Young*

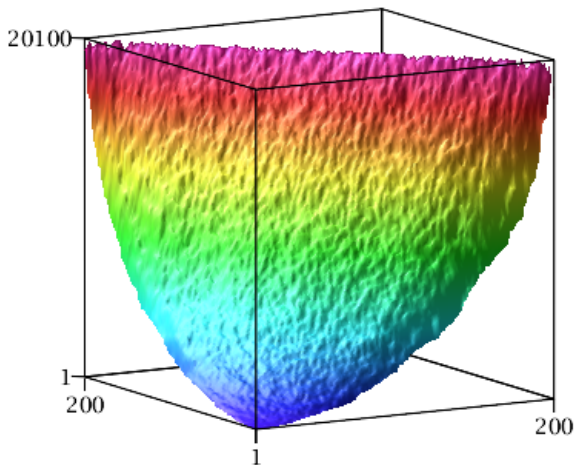
# Surfaces et tableaux de Young



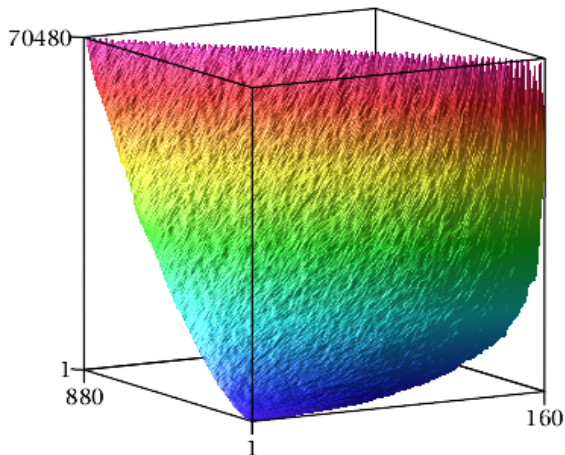
# Surfaces et tableaux de Young



# Surfaces et tableaux de Young



# Surfaces et tableaux de Young

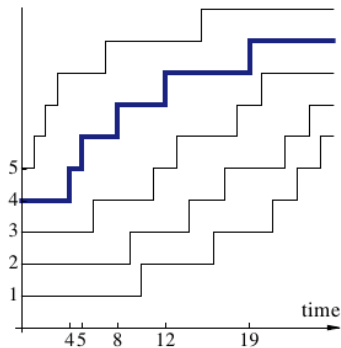




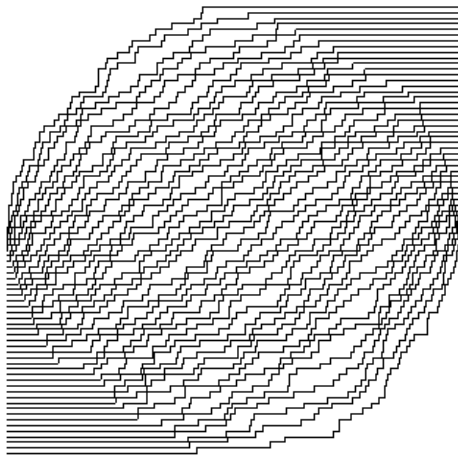
# Tableaux de Young et systèmes de particules

10	16	21	23	25
9	14	17	22	24
6	11	13	18	20
4	5	8	12	19
1	2	3	7	15

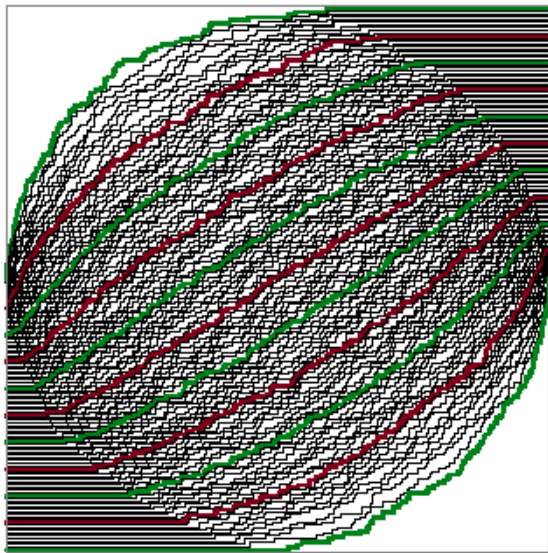
↔



# Une courbe arctique dans un système de particules

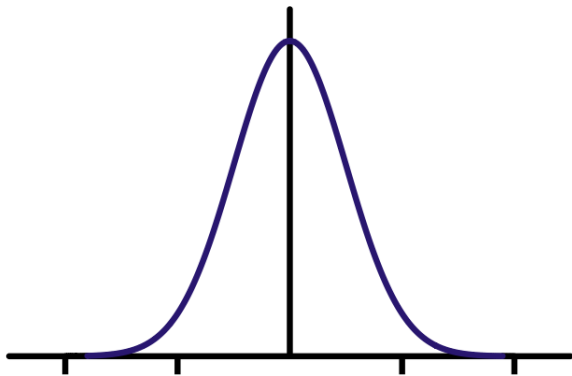


# Une courbe arctique dans un système de particules



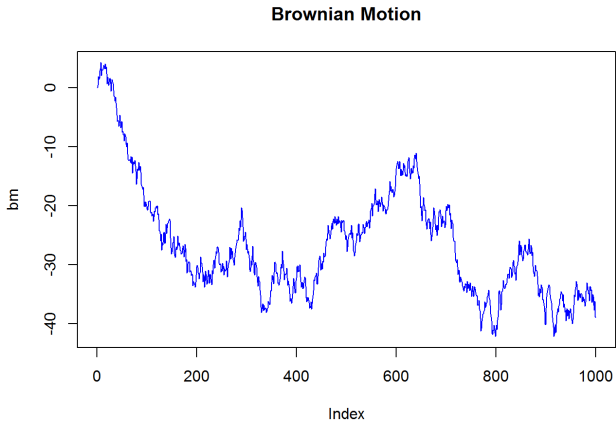


# Réels aléatoires : la loi gaussienne

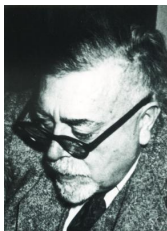
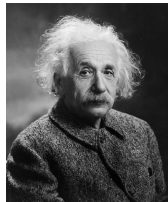




# Une fonction aléatoire $\mathbb{R} \rightarrow \mathbb{R}$ : le mouvement brownien

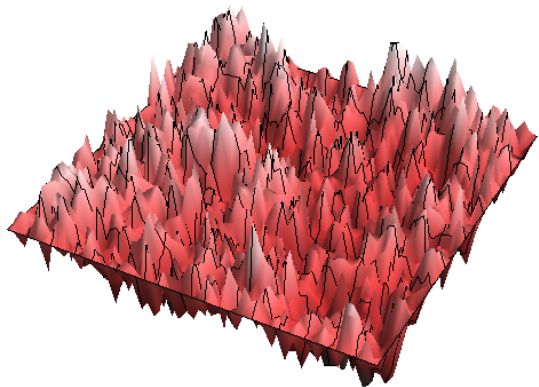


# Brown, Bachelier, Einstein, Wiener, Yor

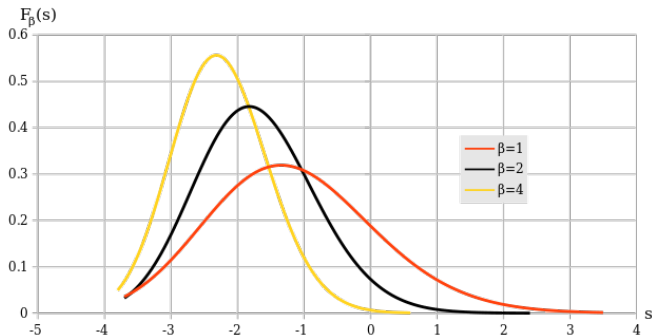




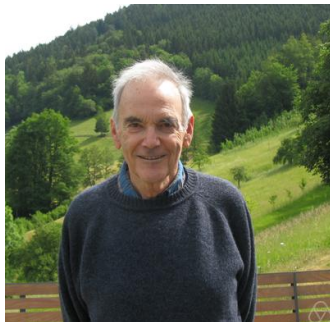
# Une “fonction” aléatoire $\mathbb{R}^2 \rightarrow \mathbb{R}$ : le champ libre gaussien



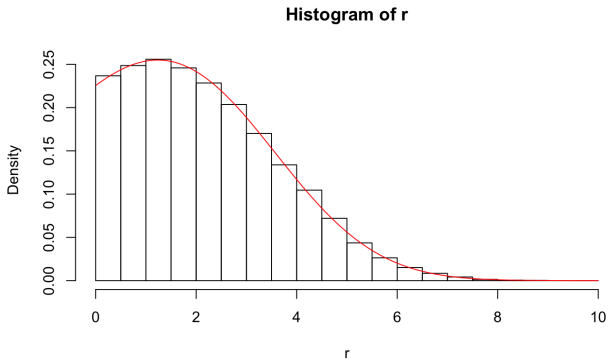
# Réels aléatoires : la loi de Tracy-Widom



# Tracy, Widom

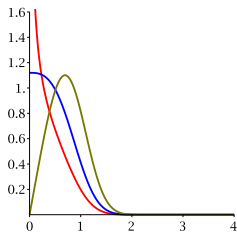
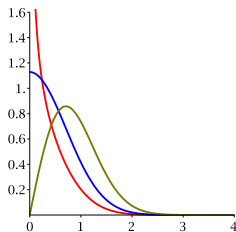
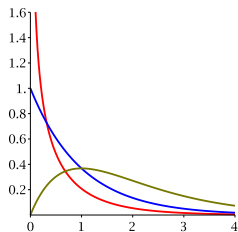


# Réels aléatoires : les lois de Mittag-Leffler





# Réels aléatoires : les produits de loi Gamma généralisées





# Phase gazeuse dans d'autres modèles

