

Data set	Code length (binomial)	Code length (uniform)	Code length (binomial exact)
Density	1.07965e+08	8.98771e+07	1.54345e+08
viscosity	1.80066e+08	3.64916e+07	1.98773e+08
Pressure	1.24657e+08	4.40407e+07	1.47421e+08
Velocityx	9.86039e+07	8.40831e+07	1.42097e+08
Velocityy	9.72272e+07	8.31161e+07	1.40269e+08
Velocityz	5.96325e+07	6.55191e+07	9.28111e+07
Viscosity	1.79394e+08	3.64372e+07	1.98075e+08

Table 2: Density

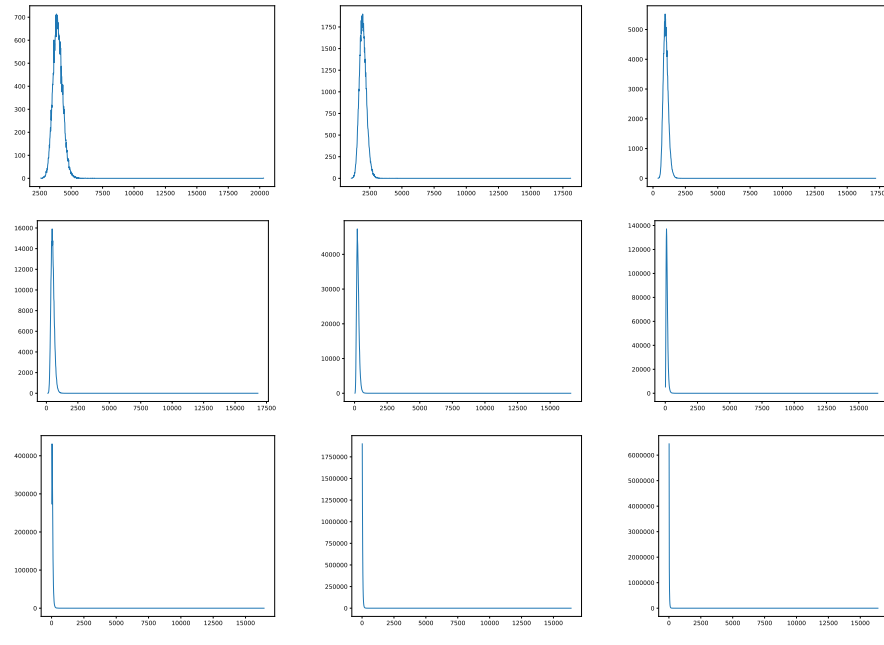


Table 3: Diffusivity

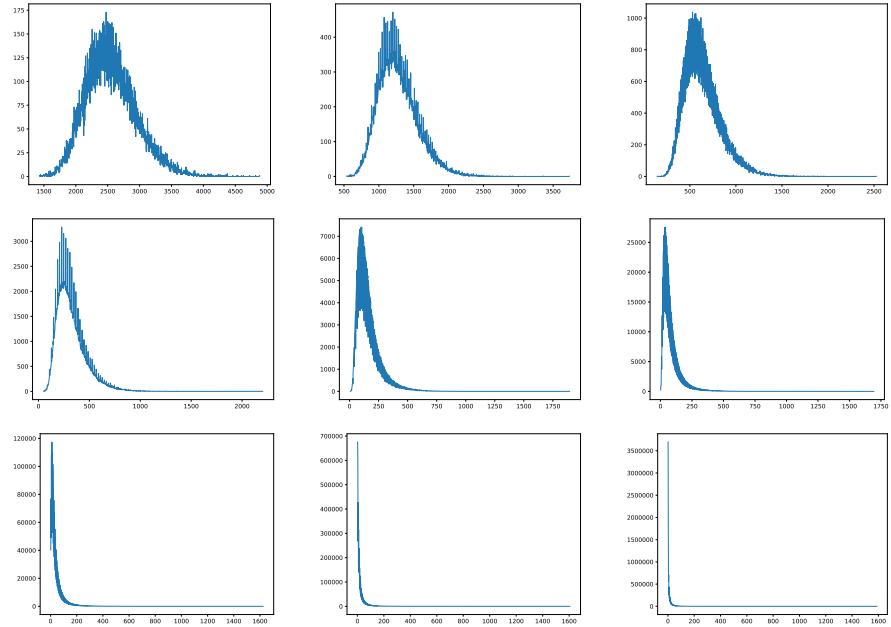
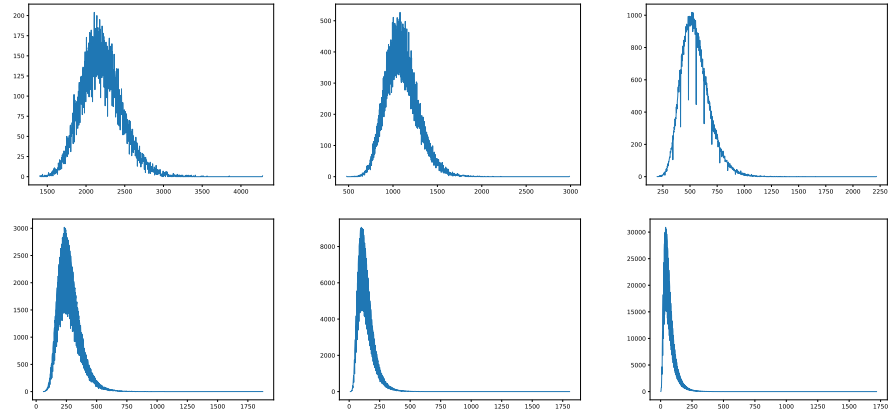


Table 4: Pressure



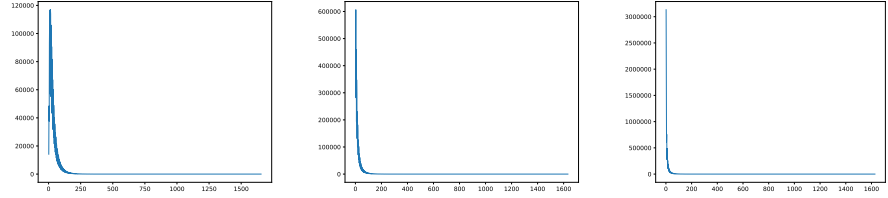


Table 5: Viscosity

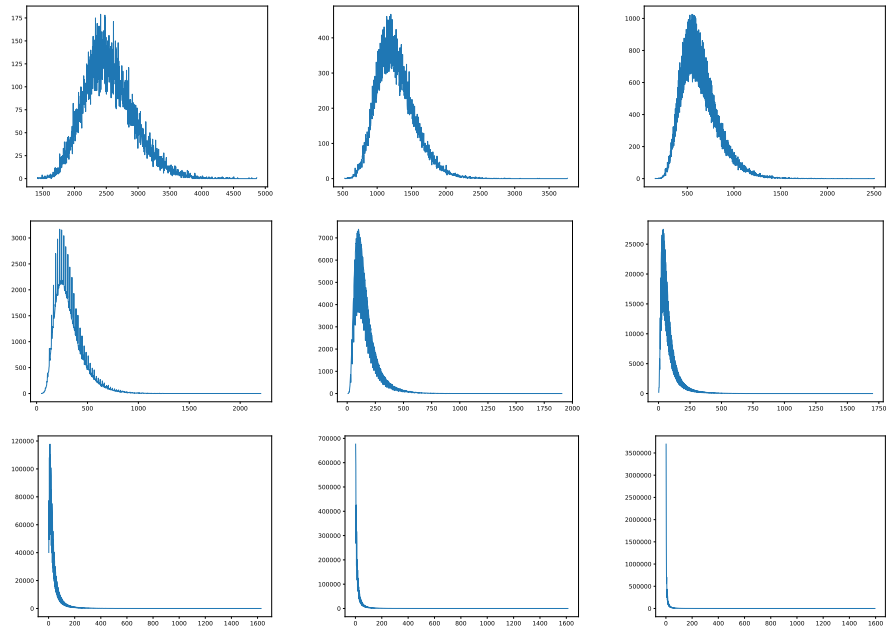


Table 6: Pressure, no shuffling

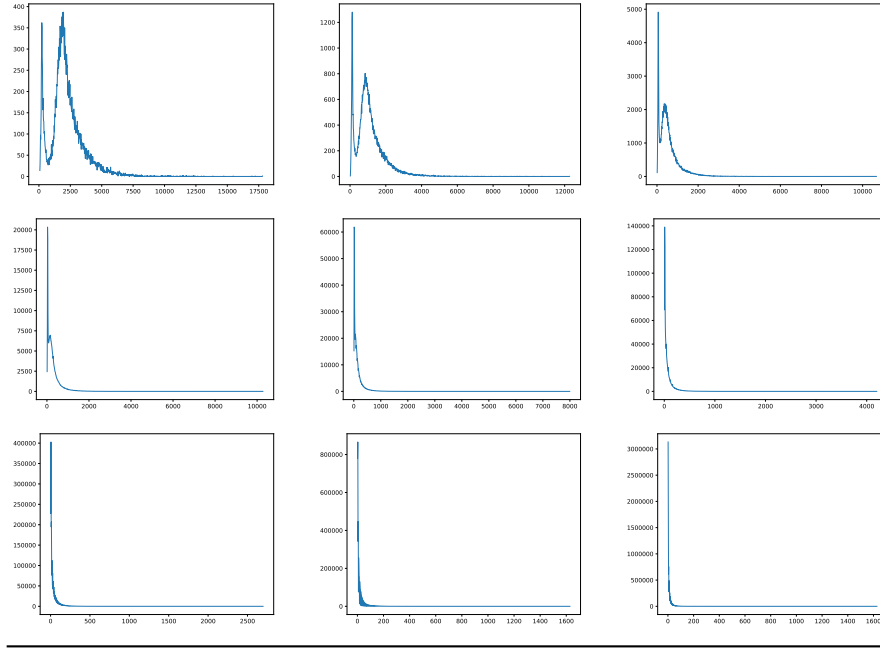
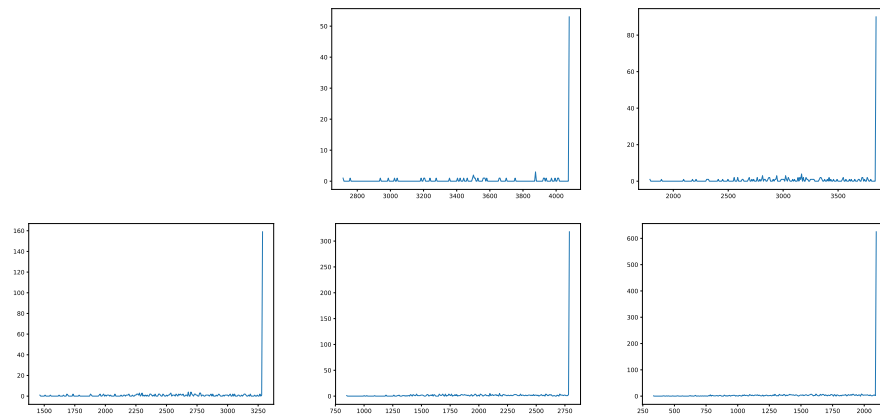


Table 7: Distribution of left child, conditioned on the max, on each level (Synthetic exponential distribution)



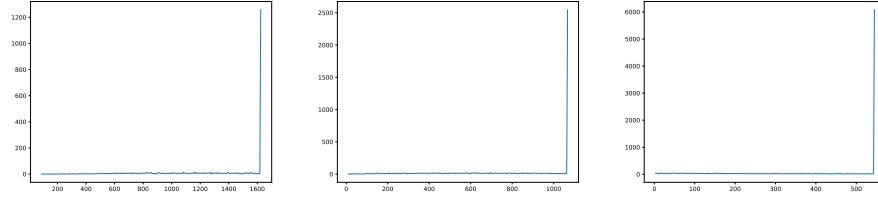


Table 8: Distribution of (left child - right child), conditioned on the max, on each level (Synthetic exponential distribution)

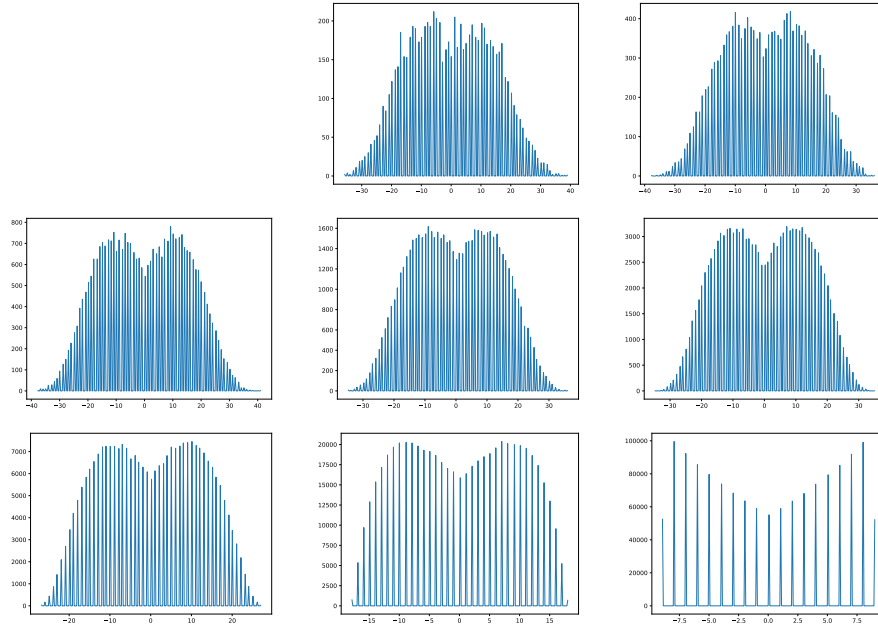


Table 9: Distribution of (left child - right child), conditioned on the max, on each level (with shuffling), using 10th most frequent parent (Diffusivity)

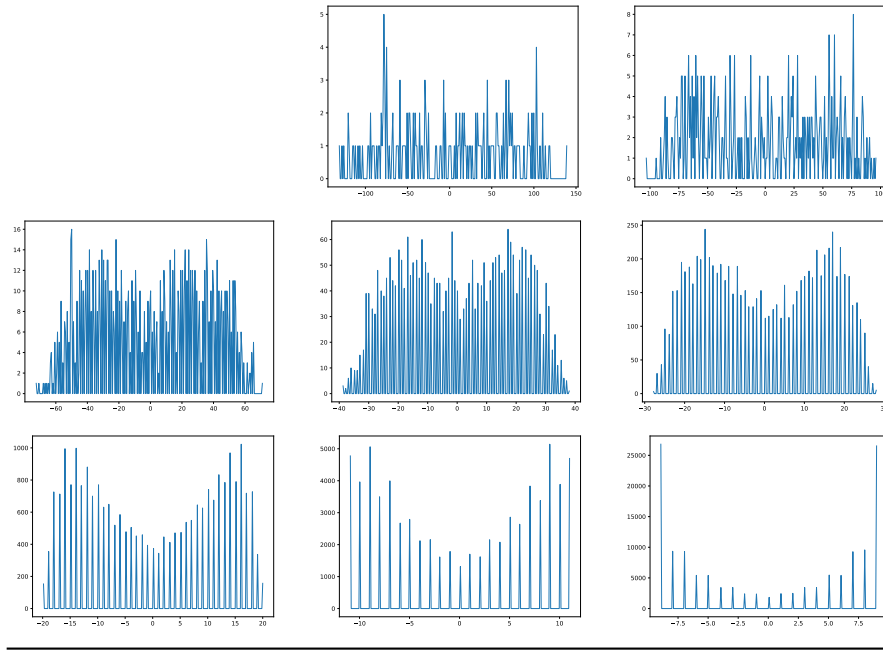
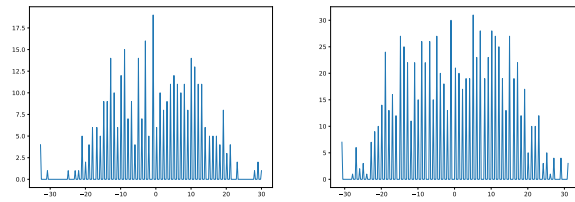


Table 10: Distribution of (left child - right child), conditioned on the max, on each level (without shuffling), using 10th most frequent parent (Diffusivity)



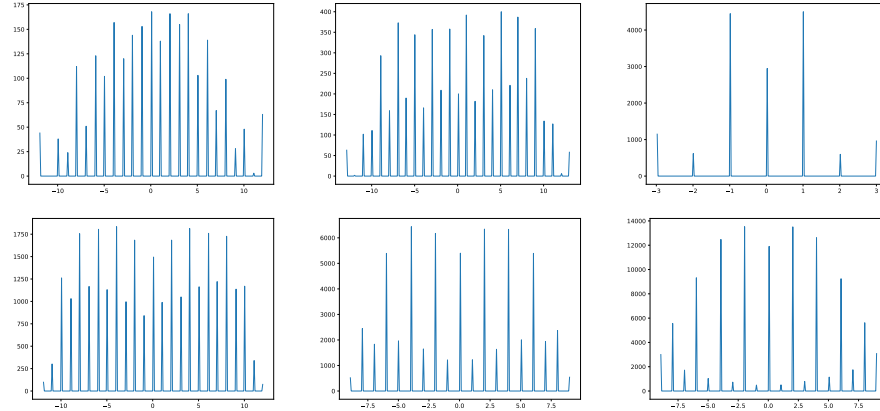


Table 11: Distribution of (left child - right child), conditioned on the max, on each level (without shuffling), using most frequent parent (Diffusivity)

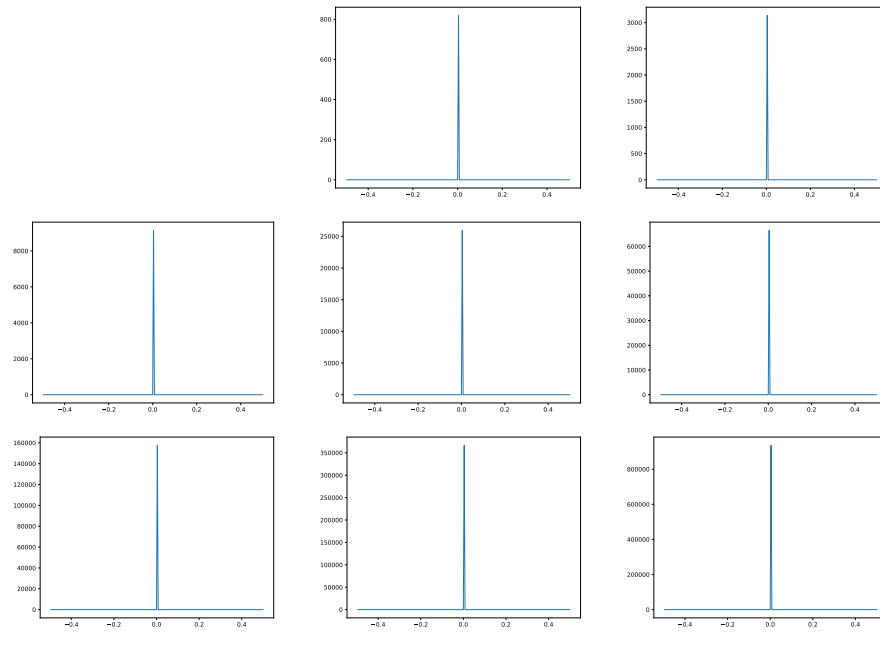


Table 12: Distribution of (left child - right child), conditioned on the max, on the last level level (without shuffling), using 0th to 8th most frequent parent (Diffusivity)

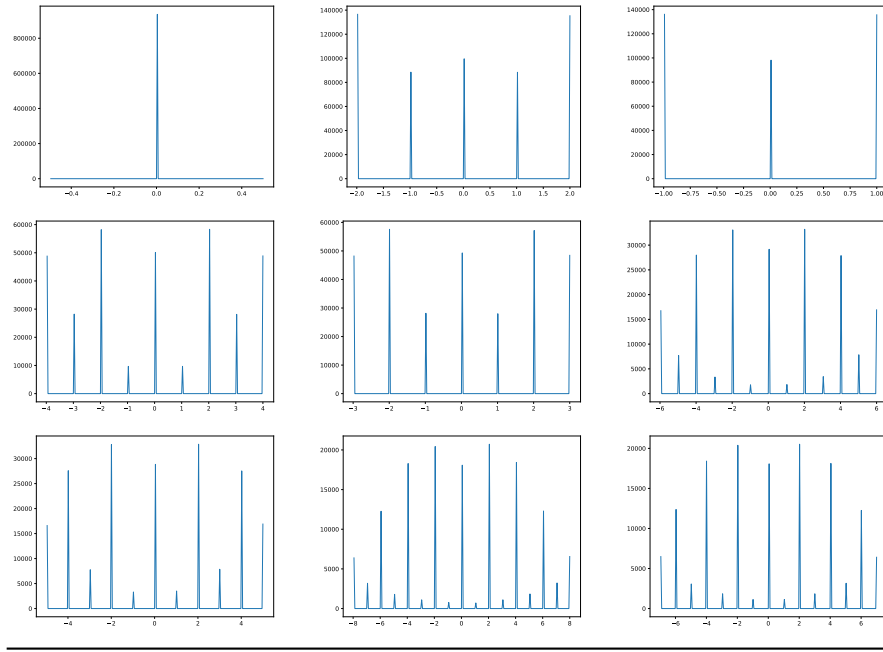
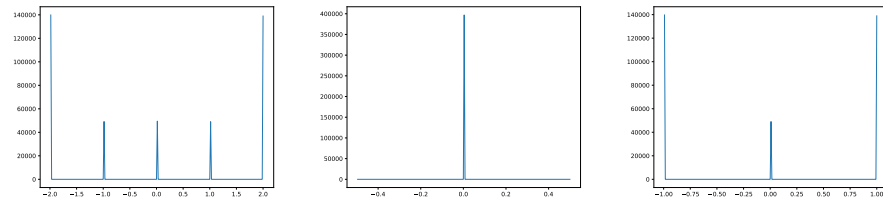


Table 13: Distribution of (left child - right child), conditioned on the max, on the last level (with shuffling), using 0th to 8th most frequent parent (Diffusivity)



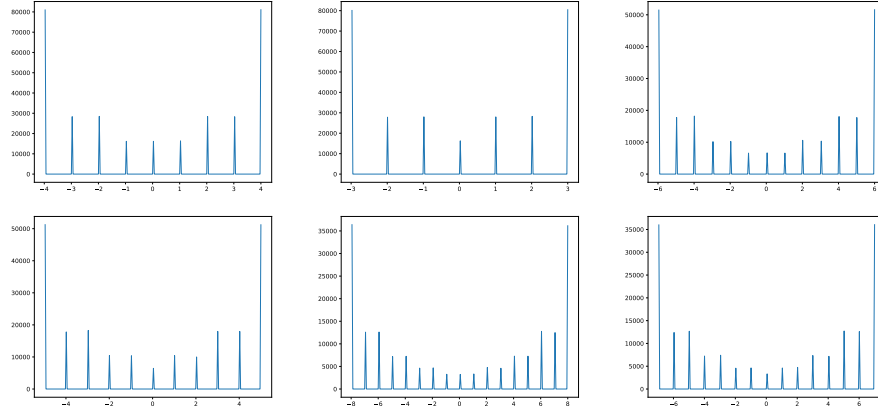


Table 14: Distribution of unconditioned (left child -right child), on each level (with shuffling) (Diffusivity)

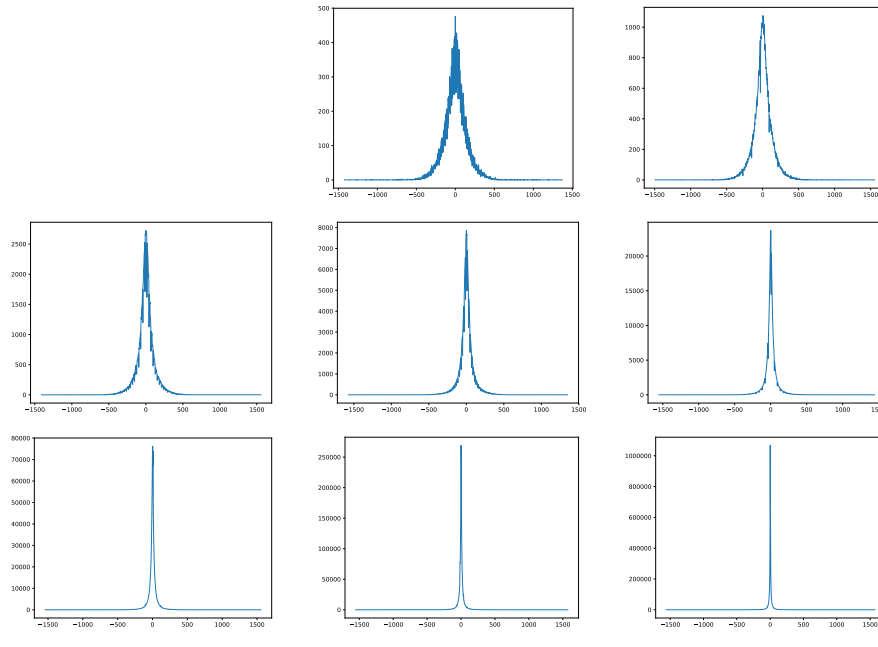


Table 15: Distribution of unconditioned (left child -right child), on each level (without shuffling) (Diffusivity)

