# Midpoint Displacement

1. Image 1 <https://bitesofcode.files.wordpress.com/2016/12/disp_iter.png>
2. Image 2 <https://www.researchgate.net/profile/Filip-Sund/publication/281032446/figure/fig5/AS:614369054453763@1523488405332/Illustration-of-the-midpoint-displacement-method-in-1-dimension-We-increase-the-number.png>

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# Diamond Square

1. Image source for steps with n=2 <https://upload.wikimedia.org/wikipedia/commons/thumb/b/bf/Diamond_Square.svg/1920px-Diamond_Square.svg.png>

[Diamond-square algorithm - Wikipedia](https://en.wikipedia.org/wiki/Diamond-square_algorithm)

# Perlin Noise

1. Image:Step A <https://upload.wikimedia.org/wikipedia/commons/0/09/PerlinNoiseGradientGrid.png>
2. Image:Step B <https://upload.wikimedia.org/wikipedia/commons/2/24/PerlinNoiseDotProducts.png>
3. Image: Step C <https://upload.wikimedia.org/wikipedia/commons/7/79/PerlinNoiseInterpolated.png>
4. Ken Perlin - An Image Synthesiser 1985 - ACM SIGGRAPH Computer Graphics <https://dl.acm.org/doi/pdf/10.1145/325165.325247>
5. *Not used: Explanation* [*https://adrianb.io/2014/08/09/perlinnoise.html*](https://adrianb.io/2014/08/09/perlinnoise.html)
6. Octaves added <https://www.youtube.com/watch?v=ZsEnnB2wrbI>
7. Perlin Noise Module via pip, Python Package Index - <https://pypi.org/project/perlin-noise/>