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ALLAN HYTOWITZ

In 2007 Allan Hytowitz discovered a new form of a dynamic optotype, called a Dyop®, which is a spinning, segmented visual target. A Dyop functions much as the visual equivalent to an audio tuning fork, using Resonance Acuity. The adjustable Dyop angular arc width can precisely measure acuity endpoints and refractions independent of literacy, culture, or age (such as with infants). The spinning Dyop gaps/segments provide a strobic stimulus to the foveal photoreceptors and the response to the photoreceptor refresh rate. A Dyop may also be varied by contrast, color, or rotational velocity to assess acuity variances.



Previously Allan was an award winning Executive Recruiter and manager for 40 years specializing in sales, marketing, and engineering opportunities within the chemical and plastics industries, having also previously spent 6 years in pharmaceutical sales, including ophthalmics.

EDUCATION:

Oregon State University, B. S. Microbiology, 1970.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC252006/pdf/jbacter00399-0285.pdf>

University of Oregon, Graduate Studies in Law, 1972.

PERSONAL:

Allan and his wife Sarah Gail have two sons, Alex & Neil. Allan enjoys dabbling in micro-computers in his spare time, was an award winning Boy Scout Scoutmaster, and a former Army Reserve Officer. He is a member of the Society of Plastic Engineers (SPE), the Association of US Recruiters, and webmaster for www.InducedDyslexia.com and www.dyop.org

Additional Dyop References

https://www.dyop.info/documents/How_We_See.pdf

https://www.dyop.info/documents/Dyop_Vision_Test_Basics.pdf

https://www.dyop.info/documents/Snellen_vs_Dyop_Refractions-Sanni.pdf

https://www.dyop.info/documents/Dyslexia_and_Color_Perception-SandraStark.pdf

https://www.dyop.info/documents/Infant_Acuity_Test_Proof-of-Concept.pdf

https://www.dyop.info/documents/Dyop_vs_Tumbling_E_Visual_Acuity_Screening.pdf

https://www.dyop.info/documents/Dyop_Test_Instructions.pdf

https://www.dyop.info/documents/Dyop_iPad_Test-Instructions.pdf

https://www.dyop.info/documents/Dyop_UsersGuide.pdf

https://www.dyop.info/documents/Dyop_Refraction_Procedure.pdf

https://www.dyop.info/documents/AAPOS-poster_2021-02-28-Barnett-Itzhaki.pdf

https://www.dyop.info/documents/Dyop_Infant_Acuity_Measurement_Poster.pdf

https://www.dyop.info/documents/Color_iPad/index.html

<https://www.dyopacuity.com> and <https://www.mydyslexiatest.com>