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Computing Power Has Made It Possible For Us To Use The Digital Treatment Of Noise Cancellation Effectively And In A Cost Effective Manner. In This Project We Tried To Implement Adaptive Filtering Optimization In CLARIT TREC-8 Adaptive Filtering Formula Is:  $C = C_{min} * a + (1-a) * C_{max}$ , Where  $A = e^{-b * N}$ . The Dynamic Coefficient Is Essentially A Weighted Average Of A Minimum Coefficient And A Maximum Coefficient In Which The Weight Is Determined By The Number, N, Of Examples Used And A Parameter That Controls The "sensitivity" To N. When Is Zero,  $A = 1$ , So  $C = C_{min}$ . When Is Non-zero, It Feb 3th, 2024.

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1000 ARC), Group Size, And The Presence Of 115 Young Individuals (i.e. Less Than Half The Adults' Body Shoulder Height). In Total, We Conducted 649 116 Predator Simulations Aiming For An Even D Jun 5th, 2024.

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