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web the c code is our program for implementation of noise cancellation on a texas instruments c6x evm the actual lms algorithm is implemented in the serialportrcvvisr function the surrounding code handles a d d a and i o

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lms for explanation of the algorithm behind the extension is based on normalization of learning rate the learning rate  $\mu$  is replaced by learning rate  $\eta_k$  normalized with every new sample according to input power as follows

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