

1035-05-1450      **Y Ishigami\*** ([yisgm@yahoo.co.uk](mailto:yisgm@yahoo.co.uk)), 1-5-1 Chofugaoka, Chofu, Tokyo. *A new look at Szemerédi's regularization.* Preliminary report.

We give a new proof of Szemerédi's regularity lemma (1975). This is a special case of the author's recent result on hypergraphs ([arXiv.math](http://arXiv.math)). But it is new even for the graph-case and suggests a relation to Theoretical Computer Sciences. It also has applications. (Received September 20, 2007)