

11.- R^+ prime coding functions.

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Amongst the R^+ coding functions, it will be interesting to select those given by $f_m : [m, m+1] \rightarrow R$ ($m=0, 1, 2, \dots$), satisfying:

- (i) $f_m(x) = a_m(x-m) + B_m$
($B_0=0, B_m = \sum_{j=0}^{m-1} a_j$), for every $m \in N$.
(Affine functions).
- (ii) $0 < a_i < a_{i+1}$ for every $i \in N$.

We call any of these functions " R^+ prime coding functions". Easily proved, R^+ prime coding functions identify prime numbers by means of vortex points. Next step will be to create the conditions for characterizing Goldbach Conjecture using the "essential region" concept.

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P.S. For previous comments see:

<http://mathforum.org/kb/thread.jspa?threadID=1615410&tstart=75>

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