Parallel Angle Recording
CORDIC 3. Swartzlander

20170228

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$\alpha \leftarrow \alpha_N$

$Z \leftarrow \theta$

while $(|Z| > \alpha_{min}/2)$ {

$\sigma = (Z \geq 0)\ ?\ +1 : -1;$

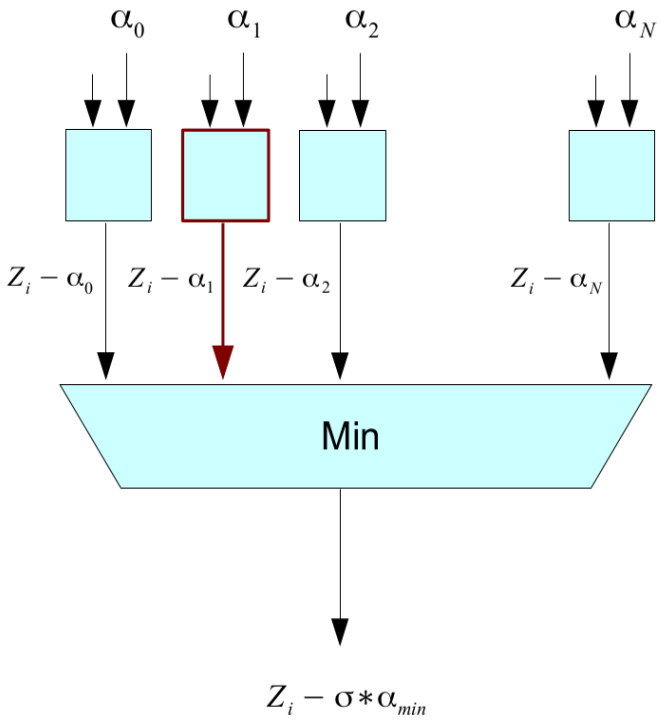
foreach $\alpha_i\ (\alpha_0,\ \alpha_1, \cdots, \alpha_N)$ {

if $(||Z| - \alpha_i| < ||Z| - \alpha_{max}|)$ {

$\alpha_{min} = \alpha_i$

}

Store α_{max} *on* *adaptive−angle−list*

$Z = Z - \sigma * \alpha_{max}$

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