

DETERMINATION METHOD OF STEREOEFFECT DISTORTIONS AT RECEIVING IN THE NETWORK OF VHF-FM SYNCHRONOUS SOUND BROADCASTING

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Annotation. It is described a new method of determination of transient distortions between stereophonic channels in the field measurements and the results of application of this method are given/

87,5...108

[1,2] [3].

87,5-108

[4].

1 $f = 107,7$
0,5

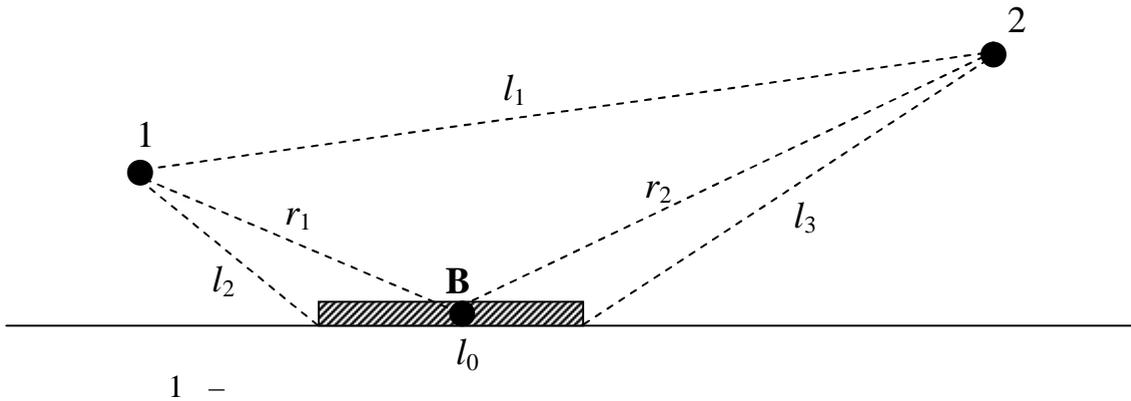
1 2,

$l_1 = 50$

L R

2 - 1

9



$l_1 = 50$, $l_2 = 12$, $l_3 = 31$, $l_0 = 15$, r_1 r_2 -

1 2:
1 2

$l_2 = 12$ 1 31
1 2 -
[5] .

$l_0 = 15$,
2 (. 1).
: $\Delta = 20 \lg(E_1/E_2) = 0$.
 $F = 1000$.
Sangan HDR-1
60 / .

15

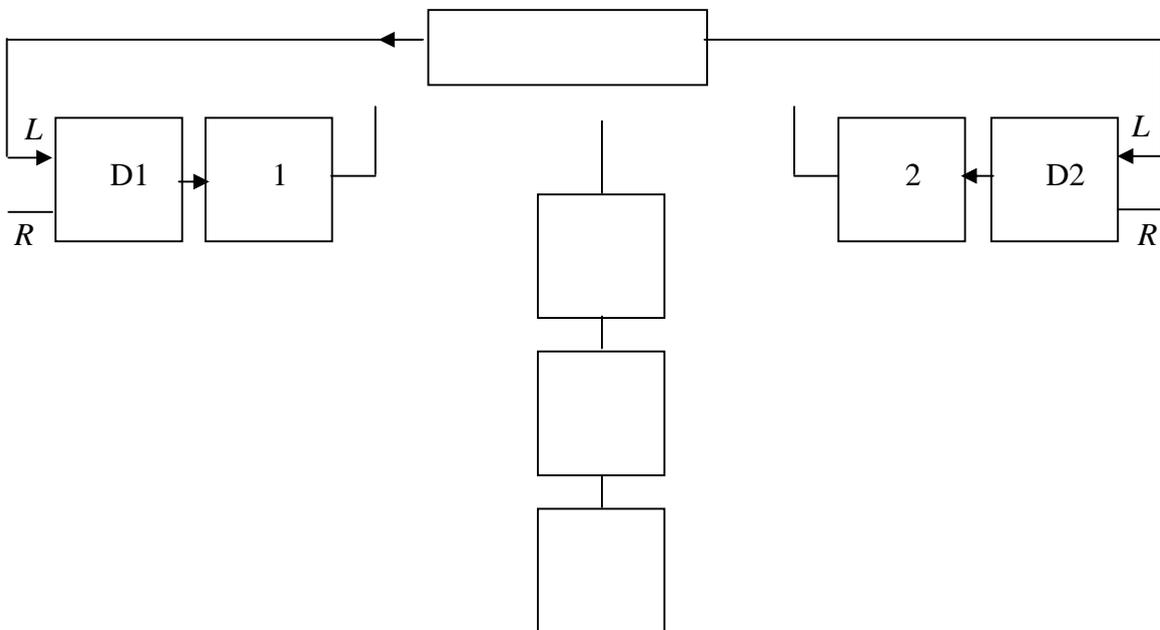
Samsung RG&R

«Sound Blaster» «Creative» (.2).
1000 ,

«Cool Edit
L

Pro2.0».

R



2 -

:

D1, D2 - ; - ; - ; -

1000 ,

«Cool Edit
L

Pro2.0».

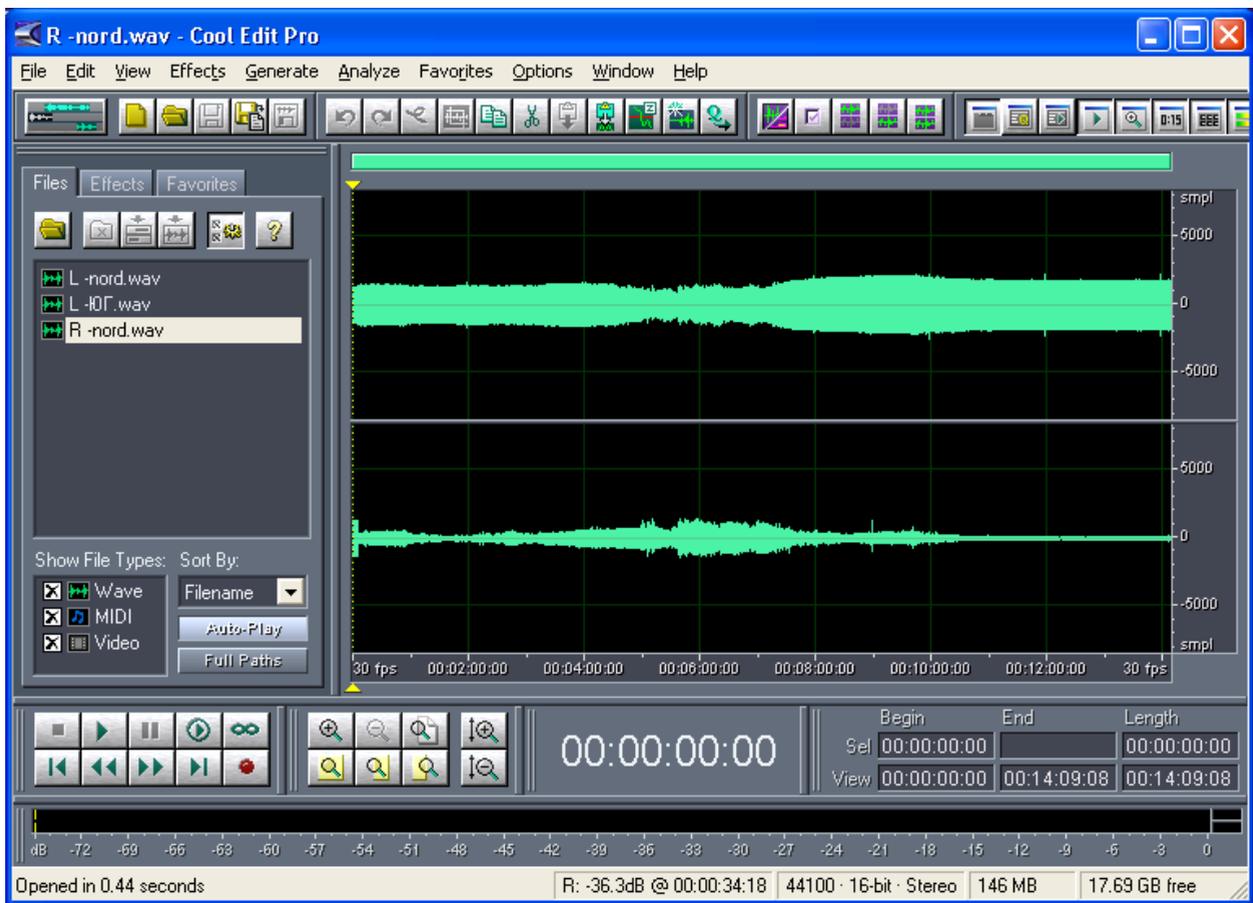
R
. 3 4
15 ,

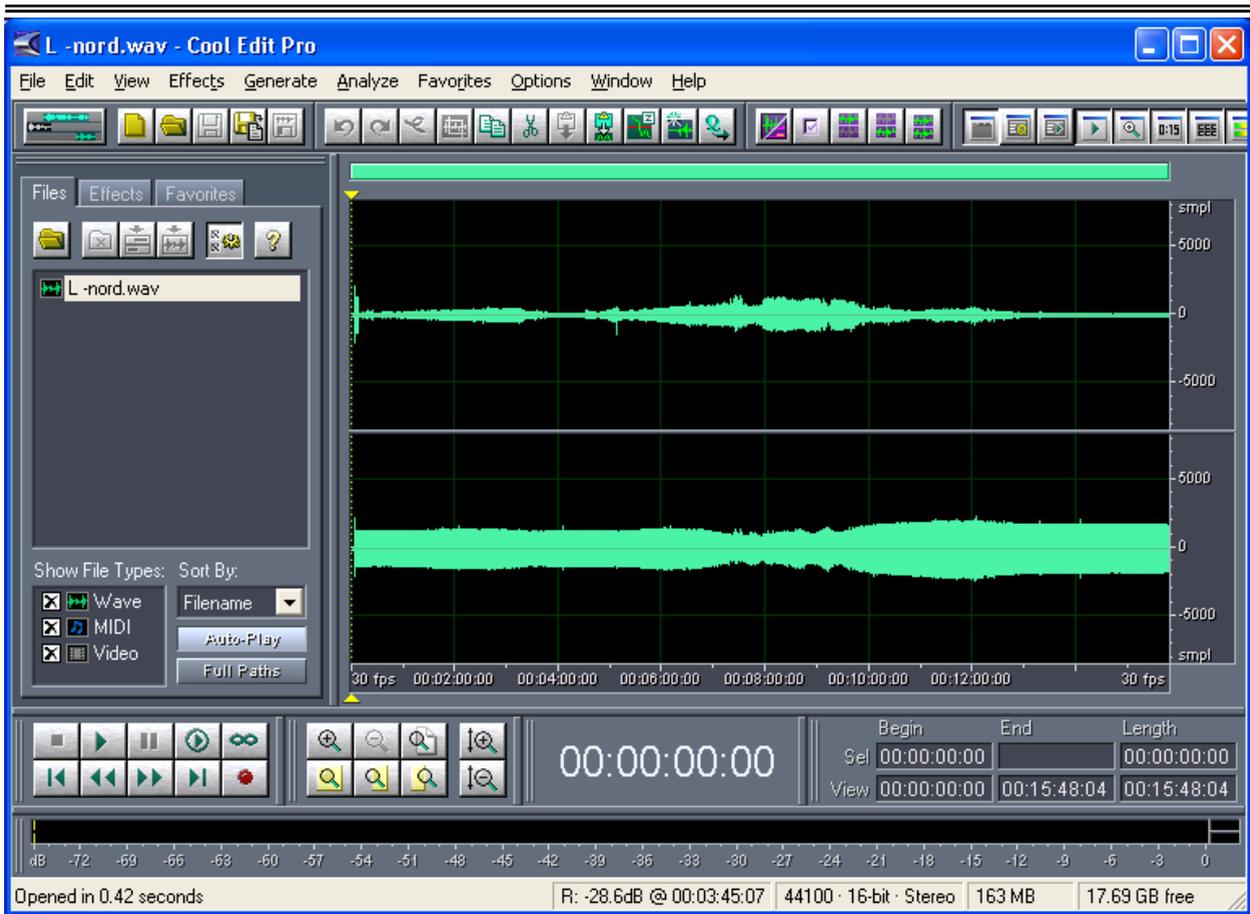
1000

1 2
4).

L (.3)

R (.





() ³⁻ R () () R () L L

L (.3,) - R (3.,) - L R

$$= N_L - N_R, \quad ,$$

$$= N_R - N_L, \quad ,$$

$N_L \quad N_R -$

.4

L R.

, .5, 20 . ,

330 .
- [2]

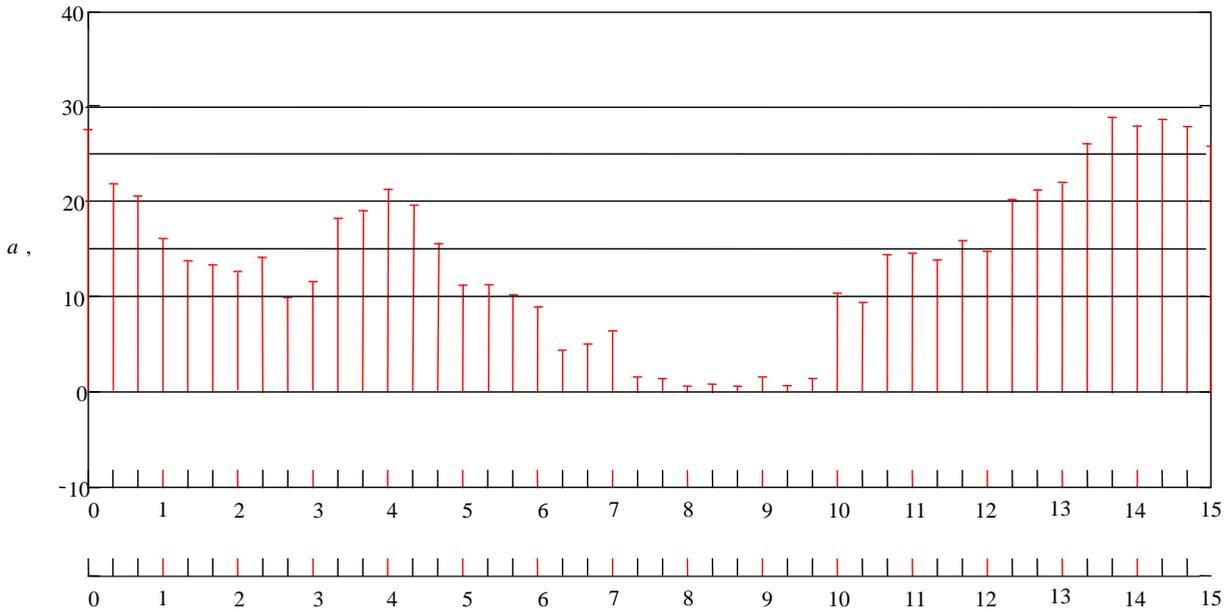
4 5-

[6]

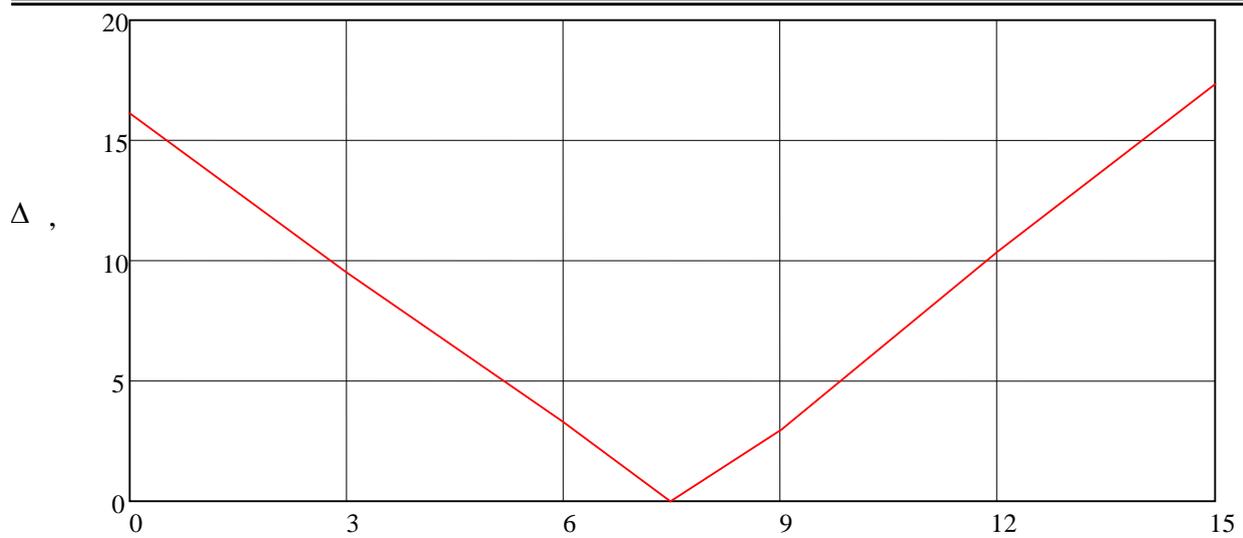
5-

, $\geq 20.$ 4 .5

[2]. 4-
 .4 ,
 ≥ 20 , 0...0,67 ()
 12,33...15 ()
 11,67 .
 ≥ 20 ,
 [2].
 .5 $\Delta = 20 \lg(E_1/E_2)$ r , $1 \quad 2$
 [4]..
 (0,67) $= \Delta \approx 15$ (12,33) ≈ 11 .



4 -
 $L \quad R$, (,) 15
 1 2



109,6 91,8 74,43 57 35,9 $r,$ 16,17

5 -

Δ

15

$\tau,$

1 2,

$$\tau = \left| \frac{r_1 - r_2}{c} \right|$$

1 2, 2

(-)

$(r_1 = r_2)$, $\Delta = 0,$

1.

()

2.

1. ITU-R Document 10B/24-E France. Synchronous FM Network
2. ITU-R BS-412-7 Planning standards for sound broadcasting at VHF.
3. Harris Corporation Interplex Products.
4. - : , 2005. - 246 .
5. “ ” 27.03.09 4411/1
6. - .: , 1974. - 264 .