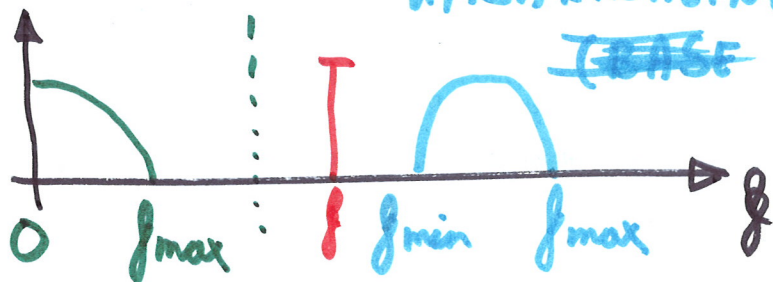# FEEDING   AVR  (AGC)

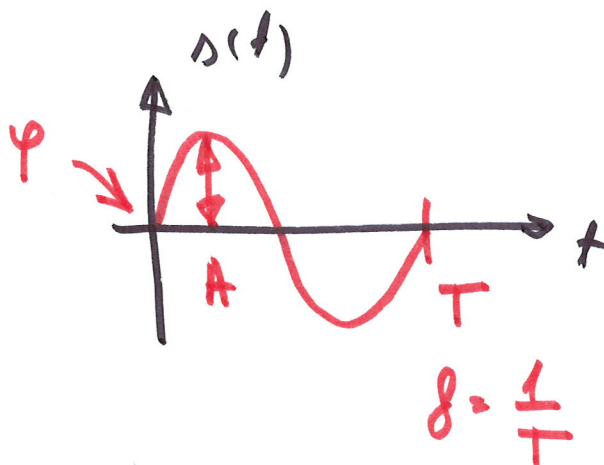## SPACE DIVERSITY

PÕHIRIBA          KITSARIBALINE
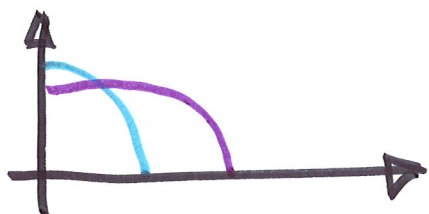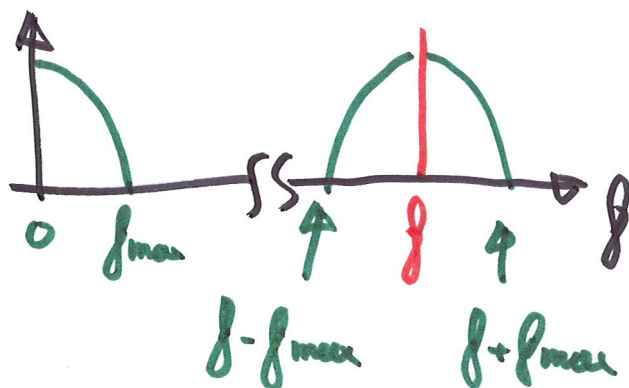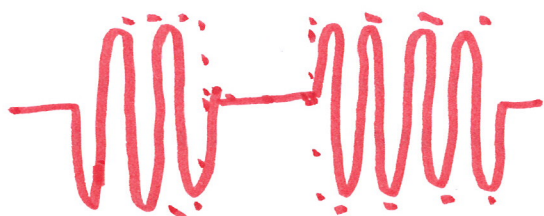
~~BASE~~



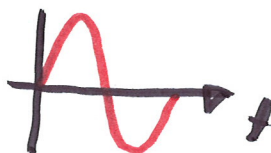$B = f_{max} - 0$          $B = f_{max} - f_{min}$

$B = f_{max}$

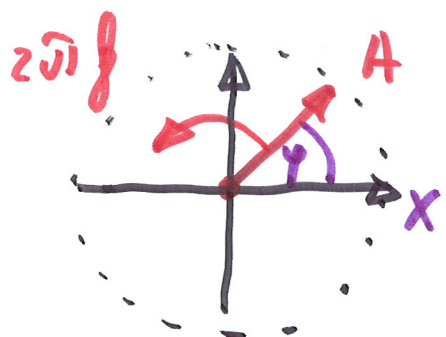

$s(t)$

$f = \dfrac{1}{T}$

ASK
OOK



WDM

# BPSK

0    0°    0 rad

1    180°   $\pi$ rad

$z\bar{v}$

A

**FAASOR**

$n_B = \log_2 M$

"1"   "0"

**BPSK**

"1"   "0"

$\delta$
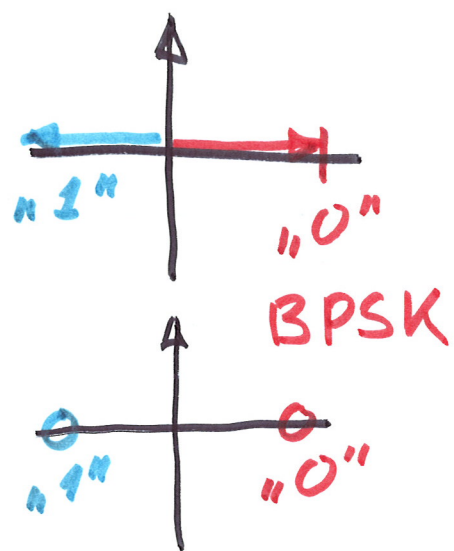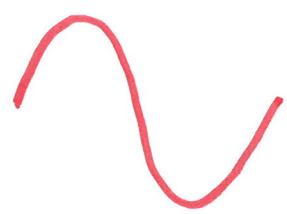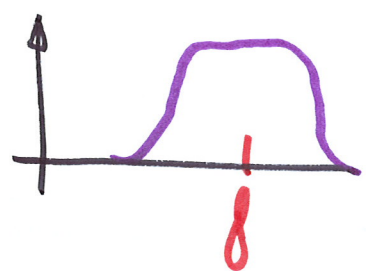
**KADUDETA**

ZIP
GIF
PNG
BMP

**KADUDEGA**

MP3
JPG

$A\{a\} \rightarrow$
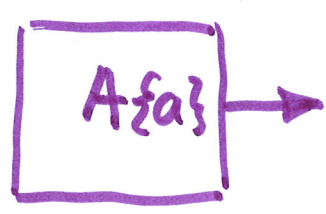
| $a_i$ | $p(a_i)$ | | |
|-------|----------|-----|-----|
| $a_1$ | $\frac{1}{2}$ | $c_1$ | 0 |
| $a_2$ | $\frac{1}{4}$ | $c_2$ | 1 |
| $a_3$ | $\frac{1}{4}$ | $c_3$ | 11 |

**TEHNIKA_LIKOOL**

4

$$\frac{1}{2}\cdot 1 + \frac{1}{4}\cdot 1 + \frac{1}{4}\cdot 2 =$$

$$1\frac{1}{4} = \frac{5}{4}$$

$s(t)$

$n \cdot \Delta t$
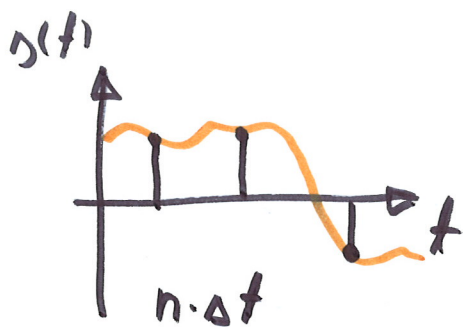
## SAMPLE $\overset{\text{AND}}{-}$HOLD

4,1 cm

$q = 0,1$ cm

4,1075 cm

0,0075 cm

M = 201

$$SNR \approx 6 \cdot n_B \,[dB] \quad 6 \cdot 8 = 48\,dB$$

## SIGNAL TO NOISE RATIO