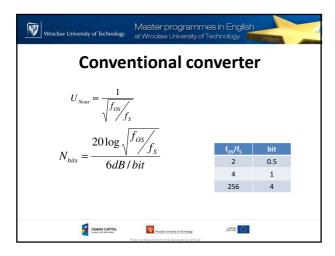
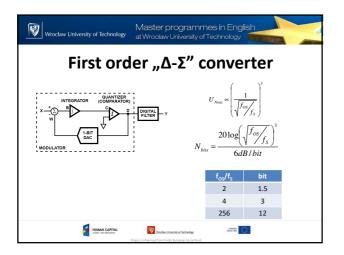


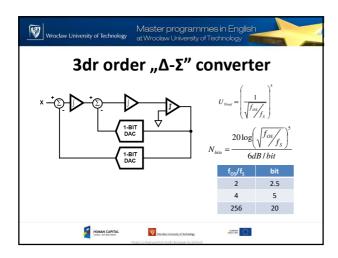


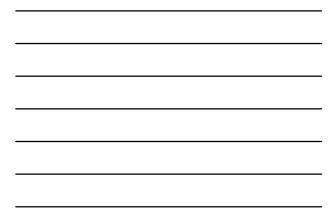
Wrocław University of Technology Master programmes in English
"Σ-Δ" converter – linear model
$\begin{array}{c} X - Y \\ X - Y \\ \hline t \\ X \\ \hline t \\ T \\ T \\ \hline t \\ T \\$
$Y = \frac{1}{f}(X - Y) + Q$
REARRANGING, SOLVING FOR Y:
$Y = \frac{X}{f+1} + \frac{Qf}{f+1}$
/ \
SIGNAL TERM NOISE TERM
KINAN CAPTAL Kongo Mada Standing Change Annual

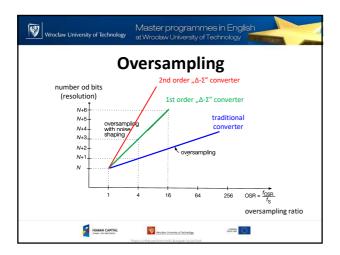




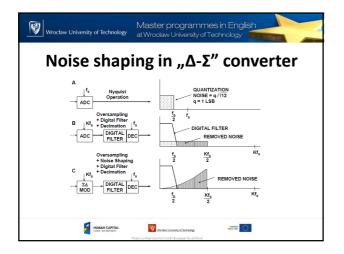








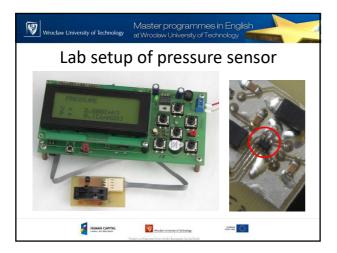




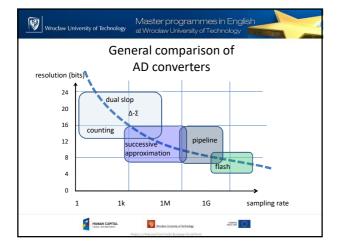


	Example of $,\Delta$ - $\Sigma$ " converter
	•
	ADS1110
F	EATURES
•	COMPLETE DATA ACQUISITION SYSTEM IN A TINY S0723-6 PACKAGE ONBOARD REFERENCE: Accuracy: 2.049/ 10.09% DIff: Spin*C ONBOARD PGA ONBOARD OSCILLATOR 18-BITS NO MISSING CODES CONTINUOUS SELF-CALIBRATION SINGLE-CYCLE CONVERSION PROGRAMMABLE DATA PATE: ISSPS TO 4
•	2405PS 6 1 4 PC WINTERFACE—EIGHT AVAILABLE ADDRESSES 1 1 1 4 1 1 3 309
•	POWER SUPPLY: 2.7V to 5.5V

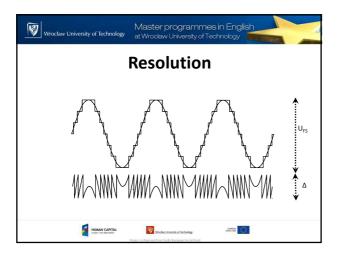




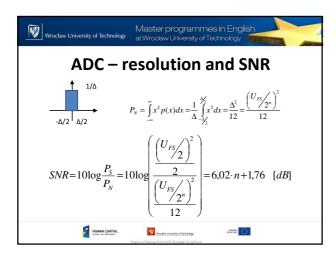




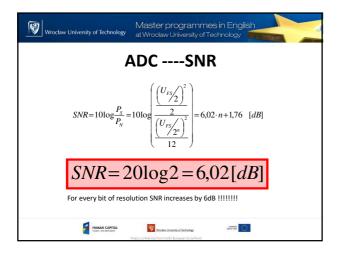








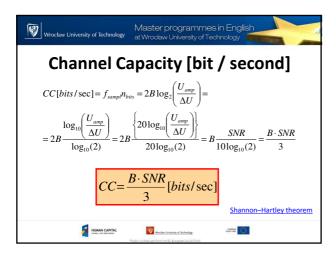


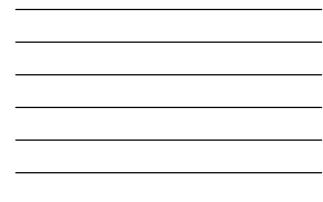




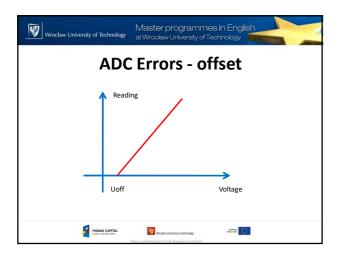
Wrocław University of Technology	Master programmes in English at Wrocław University of Technology
For every	bit of resolution,
SNR	increases by
	6dB
	11111111

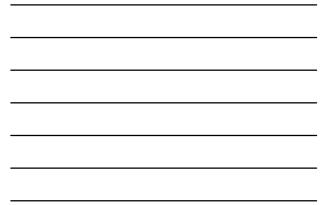


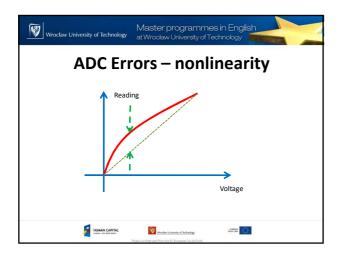


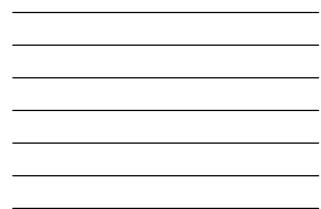


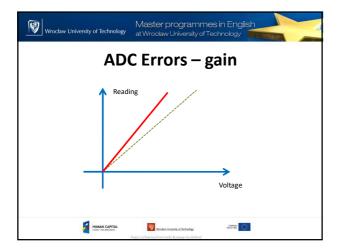


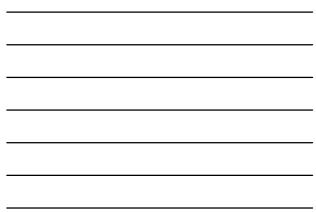


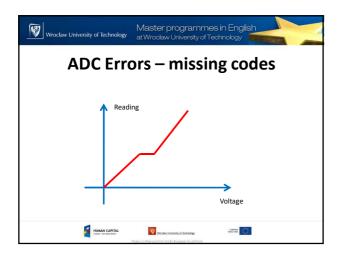




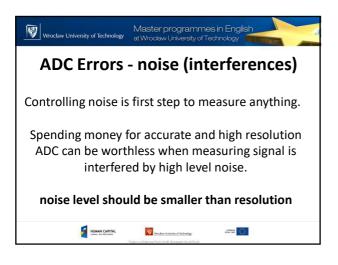






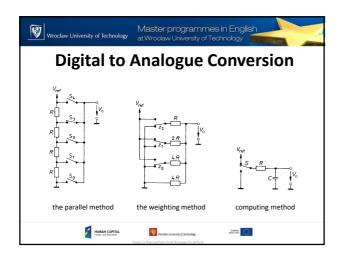


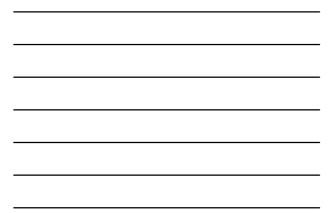


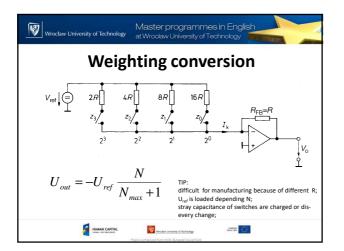




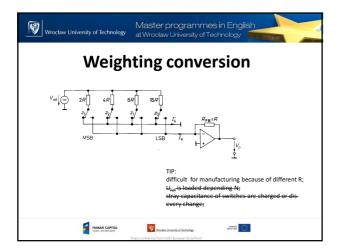




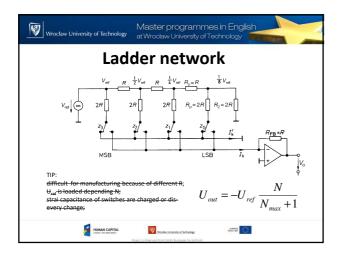




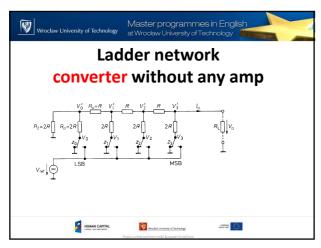


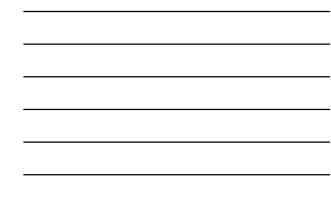


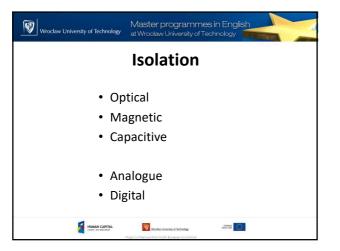




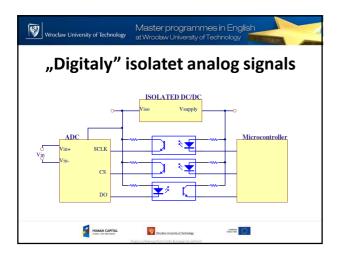


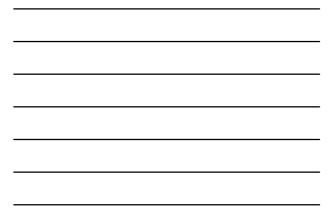


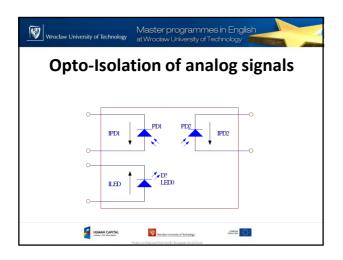




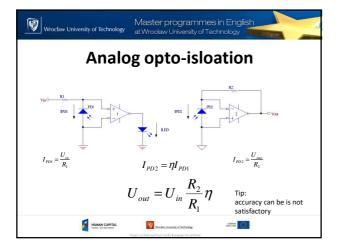




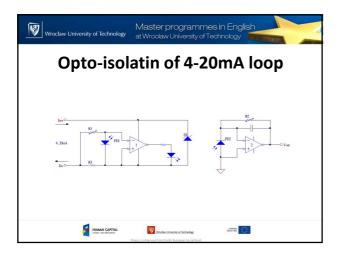


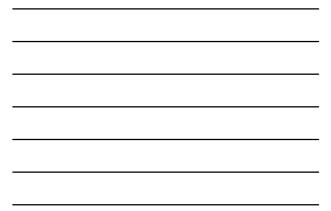


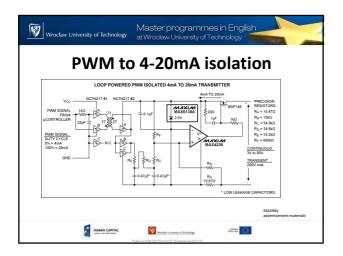




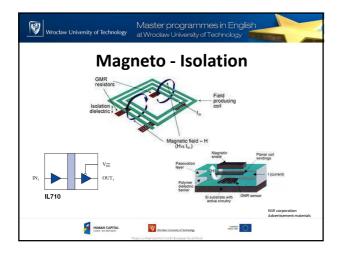




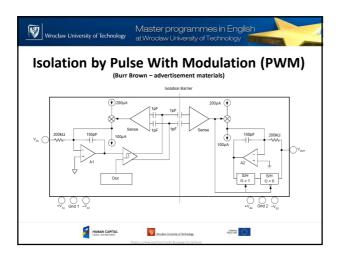


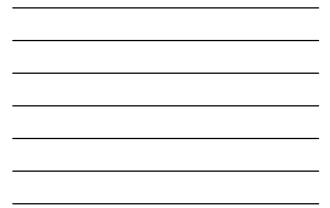


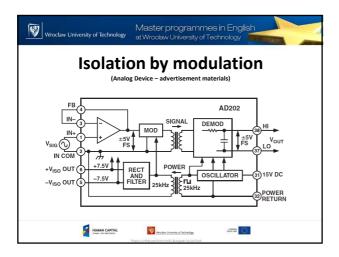




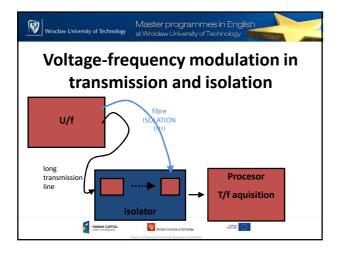




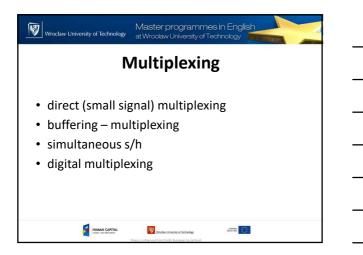


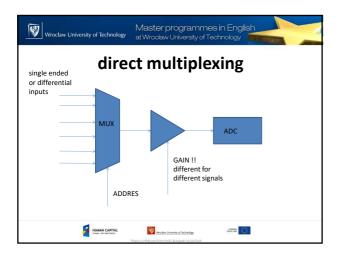




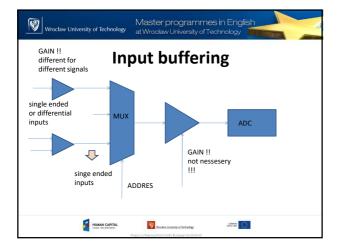




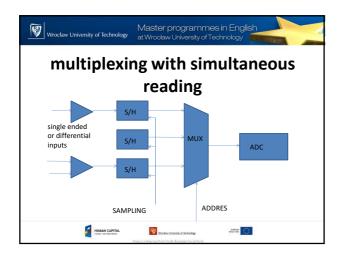




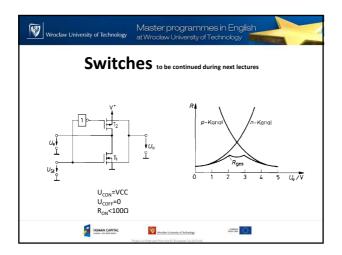




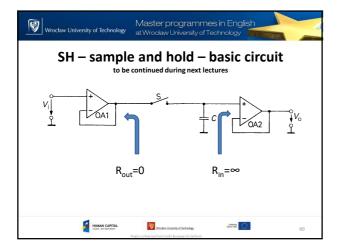




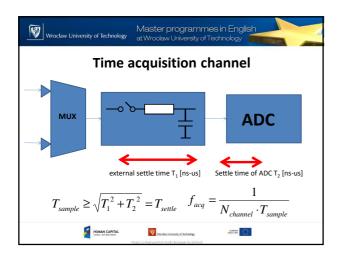




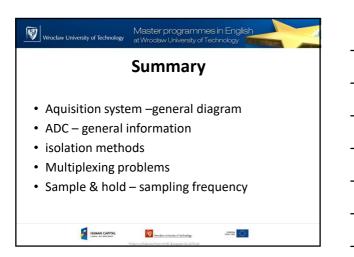


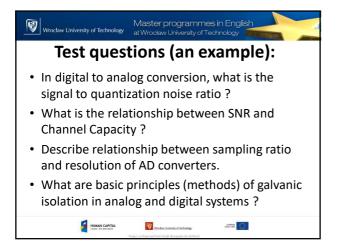


















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Windowing				
Other windows				
<u>1 Bessel window</u> <u>2 Dolph-Chebyshev window</u>				
<u>3 Hann-Poisson window</u> <u>4 Exponential or Poisson window</u>				
<u>5 Rife-Vincent window</u> <u>6 DPSS or Slepian window</u>				
	1			

