



# The Design of Colossus

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# Glossary

To encipher

# Glossary

To encipher – to convert a text into a coded form

# Glossary

To encipher – to convert a text into a coded form–  
кодировать, шифровать (syn – to code)

# Glossary

Enciphered message

# Glossary

Enciphered message – шифрованное  
сообщение

# Glossary

Attain

# Glossary

Attain – succeed in achieving



# Glossary

Attain – succeed in achieving (syn – achieve, gain) – достигать

# Glossary

Annal

# Glossary

Annal – a record of the events of one year

# Glossary

Annal – a record of the events of one year –  
летопись, хроника

# Glossary

Cumbersome

# Glossary

Cumbersome – large and heavy

# Glossary

Cumbersome – large and heavy (syn – bulky) –  
громоздкий

# Glossary

To supersede



# Glossary

To supersede – to take the place of

# Glossary

To supersede – to take the place of (syn – replace) - заменять

# Glossary

Versatile

# Glossary

Versatile – able to be adapted to many functions

# Glossary

Versatile – able to be adapted to many functions –  
многофункциональный

# Glossary

Variable

# Glossary

Variable – able to assume different numerical values

# Glossary

Variable – able to assume different numerical values – переменный



# Glossary

Predecessor

# Glossary

Predecessor – a thing that has been replaced by another

# Glossary

Predecessor – a thing that has been replaced by another (syn – precursor, forerunner) –  
предшественник

# Glossary

Notable

# Glossary

Notable – worthy of attention or notice

# Glossary

Notable – worthy of attention or notice (syn – remarkable) – заметный

# Glossary

Switchboard

# Glossary

Switchboard – an apparatus for connections between electric circuits



# Glossary

Switchboard – an apparatus for connections between electric circuits – коммутатор

# Glossary

Punched tape

# Glossary

Punched tape – a paper tape perforated according to a code

# Glossary

Punched tape – a paper tape perforated according to a code – перфолента

# Glossary

Adroit

# Glossary

Adroit – clever or skillful

# Glossary

Adroit – clever or skillful – ловкий

# Glossary

Precarious



# Glossary

Precarious – not securely held or in position

# Glossary

Precarious – not securely held or in position –  
(syn – uncertain) – сомнительный

# Glossary

Sustenance

# Glossary

Sustenance – nourishment

# Glossary

Sustenance – nourishment – питание, средства к  
существованию

# Glossary

Consternation

# Glossary

Consternation – a feeling of anxiety or dismay

# Glossary

Consternation – a feeling of anxiety or dismay –  
ужас, испуг



# Glossary

Anticipate

# Glossary

Anticipate – expect or predict

# Glossary

Anticipate – expect or predict – предвидеть

# Glossary

Intermittent

# Glossary

Intermittent – occurring at irregular intervals

# Glossary

Intermittent – occurring at irregular intervals (syn –  
spasmodic, uneven ) – скачкообразный,  
прерывистый

# Glossary

Hectic

# Glossary

Hectic – full of frantic activity, relating to a fever



# Glossary

Hectic – full of frantic activity, relating to a fever  
(syn – frantic) – лихорадочный

# Glossary

Elation

# Glossary

Elation - great happiness and exhilaration

# Glossary

Elation - great happiness and exhilaration –  
восторг, экзальтация

# Glossary

To Commence

# Glossary

To Commence – to begin

# Glossary

To Commence – to begin – начинать (syn - start  
off)

# Glossary

Prodigious



# Glossary

Prodigious - remarkably or impressively great in extent, size, or degree

# Glossary

Prodigious - remarkably or impressively great in extent, size, or degree – удивительный, огромный

# Questions

Who was the author of the article?

# Questions

When was the Colossus constructed and put into service?

# Questions

What type of tape was used to represent the cipher text?

# Questions

What are the main differences of a Colossus from its predecessors?

# Questions

Why was the machine called the Colossus?

# Questions

What feature of a modern computer did not have the Colossus?



# Questions

Who prepared tapes and operated the Colossus machines?

# Questions

Which machine appeared earlier — Colossus or Turing's ENIAC?



Thank you!