Государственное бюджетное образовательное учреждение среднего профессионального образования Ростовской области
«Таганрогский колледж морского приборостроения»

Учебная дисциплина: Иностранный язык (английский) в профессиональной деятельности

Тема занятия: Радиотехническая служба корабля

94%

5,5 м

0.8

+17,9 °C

1.8

3.4

1

2

3

4

5

6

7

РАДИОРУБКА

2.3.5 External Crystal Oscillator Circuit for Device Clock

Sometimes more than one ***device*** needs to be clocked from a single crystal. Since Microchip does not recommend connecting other logic to the PICmicro's ***internal oscillator circuit***, an ***external*** crystal ***oscillator circuit*** is recommended. Each ***device*** will then have an ***external*** clock source, and the number of ***devices*** that can be driven will depend on the buffer drive ***capability***. This ***circuit*** is also useful when more than one ***device*** (PICmicro) needs to operate synchronously to each other.

Either a prepackaged ***oscillator*** can be used or a simple ***oscillator circuit*** with TTL gates can be built. Prepackaged ***oscillators*** provide a wide operating range and better stability. A well-designed crystal o***scillato***r will provide good ***performance*** with TTL gates. Two types of crystal ***oscillator circuits*** can be used; one with series resonance, or one with parallel resonance.

This circuit is also designed to use the fundamental ***frequency*** of the crystal.

Active vocabulary:

Device - [dɪˈvaɪs] устройство

External - [eksˈtɜːnl] внешний

Internal - [ɪnˈtɜːnl] внутренний

Capability - [keɪpəˈbɪlɪtɪ] способность

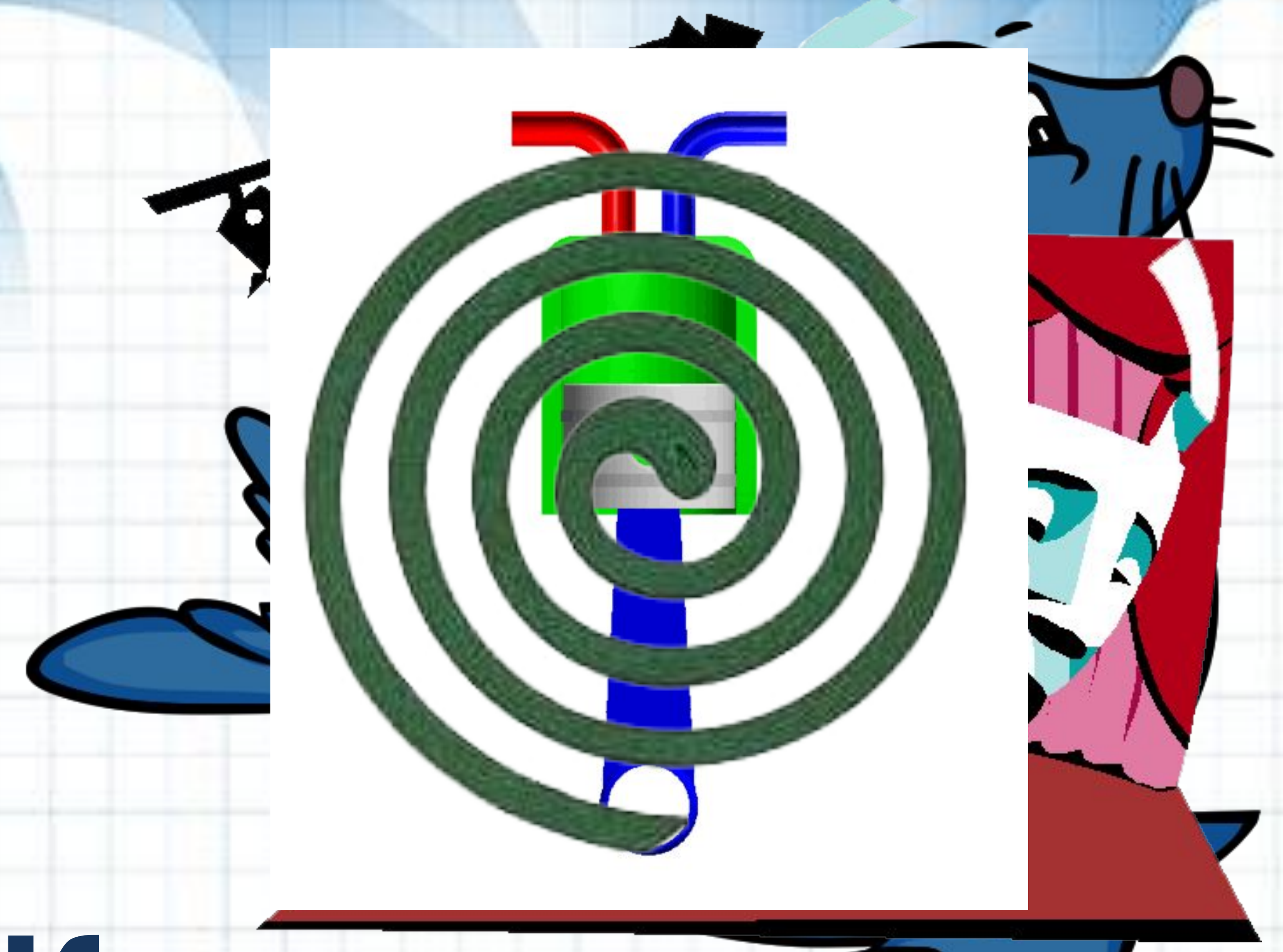
Performance - [pəˈfɔːməns] эффективность

Oscillator – [ˈɔsɪleɪtə] тактовый генератор

Circuit - [ˈsɜːkɪt] схема

Frequency - [ˈfriːkwənsɪ] частота

Feedback – [ˈfiːdbæk] обратная связь



Круговорот

Тюлень

Представлен

Виток

поступательные движения

Герметик

Тактовый

Имитация

Эффективност

ь

Цель

Излучатель

Перемычка

ристик

CIRCUIT

Предложение в техническом тексте

Сложные предложения

Строгая логическая последовательность

Сухая, монологическая речь

Вопросительные предложения для постановки проблемы

Отсутствие восклицательных предложений

Информативность текста

+ − ? ×

It found that the frequency with which they are implemented has decreased.

As a result the frequency has decreased.

Fill in the gaps using the following terms:

Capability, circuit, device, external, feedback, frequency, internal, oscillator, performance

CHECK

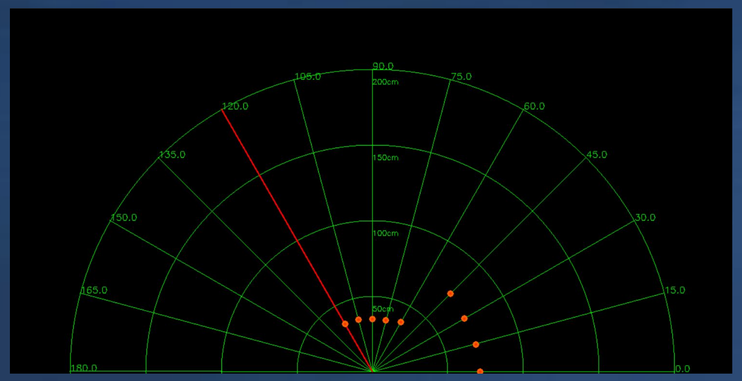
1. Sometimes more than one device needs to be clocked from a single crystal.
2. Since Microchip does not recommend connecting other logic to the PICmicro's internal oscillator circuit, an external crystal oscillator circuit is recommended.
3. Each device will then have an external clock source, and the number of devices that can be driven will depend on the buffer drive capability.
4. Either a prepackaged oscillator can be used or a simple oscillator circuit with TTL gates can be built.
5. A well-designed crystal oscillator will provide good performance with TTL gates.
6. This circuit is also designed to use the fundamental frequency of the crystal.
7. The 330k ohm resistors provide the negative feedback to bias the inverters in their linear region.
8. Two types of crystal oscillator circuit can be used; one with series resonance, or one with parallel resonance.

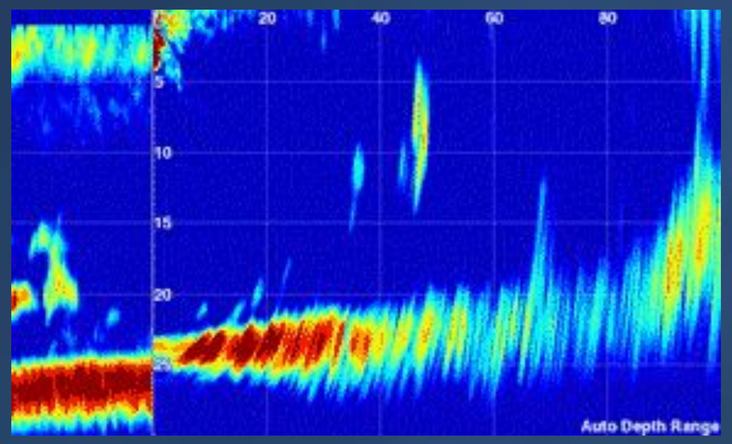
Морское лото

Device	External
Circuit	Performance
Capability	Feedback
Oscillator	Internal
Frequency	Ship

РАДИОРУБ
КА


LOWRANCE
Link-5
DISTRESS
12:15 PM LOC
27°52.023'N
082°31.135'W
VOL
SQL
DISTRESS
WX
3CH
CALL
EXIT
SCAN
MENU
H/L
LOWRANCE


90.0
75.0
60.0
45.0
30.0
15.0
0.0
105.0
120.0
135.0
150.0
165.0
180.0
200cm
150cm
100cm
50cm


20
40
60
80
5
10
15
20
Auto Depth Range

HOME TASK

Friday

The 8 th of June

Подготовить сообщения об особенностях использования изученных терминов в технических текстах.

Обязательно привести примеры

Thank you!