

CAMADA FÍSICA DA COMPUTAÇÃO 2023-1

Prof.: Rodrigo Carareto





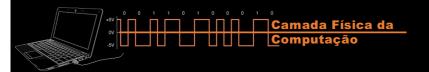
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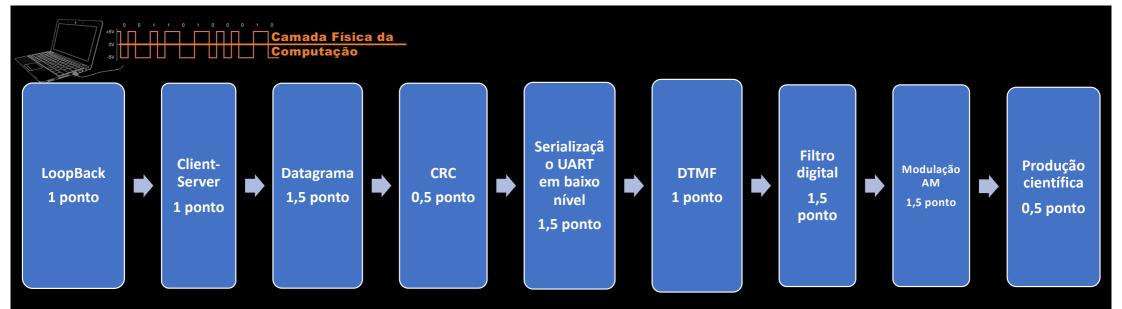
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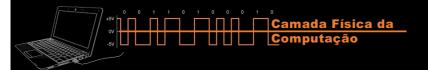
AULAS:

Quintas 13:30 às 15:30 Sextas 15:45 às 17:45

Atendimento: segunda-feira das 16:45 às 18:15



- Um projeto só pode ser avaliado se você já teve o anterior avaliado. Atrasos na entrega acarretam penalizações de nota (25% por semana).
- Um projeto deve ser avaliado com a presença dos dois integrantes da dupla. Caso queiram apresentar o projeto sem um dos integrantes, o aluno ausente terá a nota reduzida em a 50%.
- Haverá provas sobre os projetos.



LoopBack



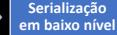
Client-Server



Datagrama









DTMF



Modulação AM

Filtros digitais



Scientific paper

"Alegações extraordinárias exigem evidências extraordinárias" Carl Sagan

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Computation of Neural Network using C# with Respect to Bioinformatics

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Abstract. Neural network is the emerging field in the era of globalization which is fully based on the concept of soft-computing technique and bioinformatics. In the competition market of new development process, Bioinformatics play the market of new development process, Bioinformatics science, computer science, engineering, chemical science, computer science, engineering, chemical science who gives the experiences of artificial science with growing control of the process approaches of bioinformatics neurons can also be understood with the help of flow chart and diagram is the major concerned.

Index Terms- Soft-computing technique of C#, Neural Network, bioinformatics, Bioinformatics tools, Genetic algorithms.

I. INTRODUCTION

The paper tried to explore the exact relationship among neural network, genetic algorithm, and bioinformatics with the help of C# computational approach [1][2]. We all know the running world is fully depends of computer technique which play vital role in living style as well as working life from here and there. Now we are generating the idea of modelling and computational programming technique having multidimensional prospects whe can behave like the human activities by artificial component

can belave like the human activities by artificial component, the leave are fully concerned on the soft-computing process by introducing the application and utilization of neural network, generic algorithm the Bosinformatics [14] (algor) and computing exchangely has been extensively studied & applied during the state three decades. The Neural Network, openably the procession network with a back propagation training algorithm, procession network with a back propagation training algorithm, and the state of the processing and the state of the processing and the

of computation of neural network with Bioinformatics. & Genetic concept. Section two includes the concept of self-computation technique and in component on bioinformatics & neural network in cf. Section for three concentrated on bioinformatics with its objective, scope, application along with development of ageithms in aphand version. Computation of neural network, its advantage, application and connection with bio information leadeds in section four Relationship among Neural Network. Genetic Algorithm and Bioinformatics will be explain in section five with complete compilation among all of them. The modified version of General Mathematical Model of Neural Network for version of General Mathematical Model of Neural Network for Bioinformatics impact of hidden layers as per input to be discussed with complete computation in C#. In each section research to be worked on diagrammatical presentation of bioinformatics in Neural, Genetics as well as computing is the major concerned. Total ten figure/diagram to be presented for better understanding in concise manner having multifilmensional

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LoopBack

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Client-Server

Datagrama

CRC

Serialização em baixo nível

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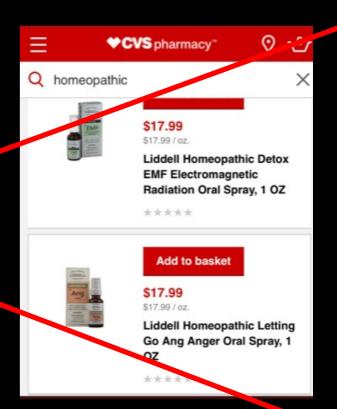
Modulação AM

Produção científica



"com nosso processo patenteado e exclusivo, os cristais marinhos passam por uma exposição de feixes de frequência quântica, denominad. Quancton, em um equipamento poderno que usa tecnologia protônica, deservolvida com exclusividade por inteligência biomédica europeia.



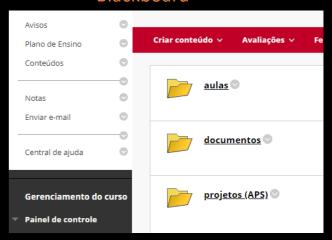




Sala 404



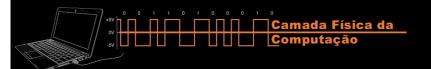
Blackboard



INTRODUÇÕES TEÓRICAS E APRESENTAÇÃO DO PROJETO

ESTÚDIOS PARA O PROJETO AVALIAÇÃO DO PROJETO

QUIZ SOBRE O PROJETO



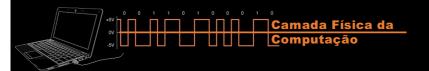
MÉDIA FINAL DO CURSO

Média quizzes: peso 10%

Média projetos: peso 40%

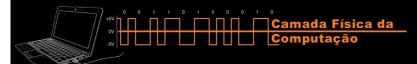
Média provas: peso 50%

Média provas: $\frac{AI + 3 \cdot AF}{4}$

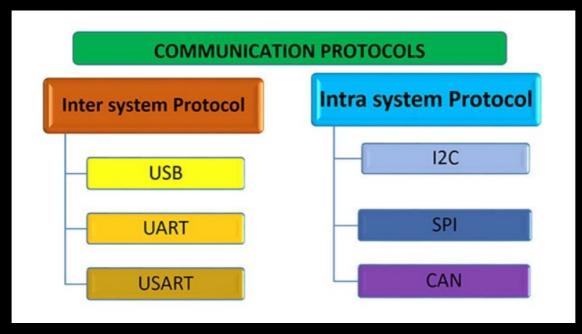


CRITÉRIO DE APROVAÇÃO

- 1 Nota curso maior ou igual a 5
- 2 Média provas maior ou igual a 5!

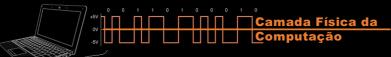


PROTOCOLO DE COMUNICAÇÃO (hardware)

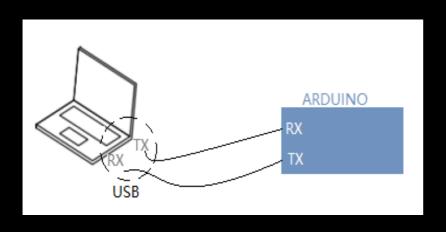


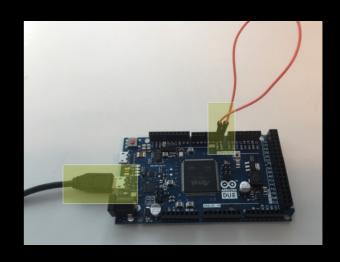
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0	0V	-5V	0V	0V
1	5V	+5V	+12	3.3V

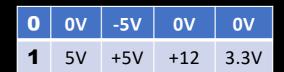


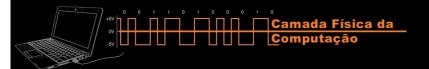
PROJETO 1 – LOOPBACK UART

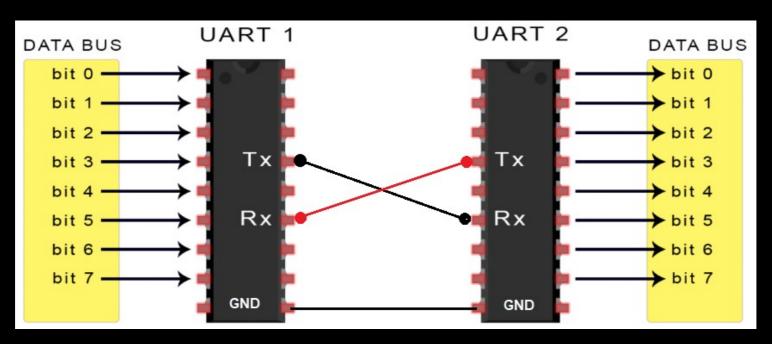




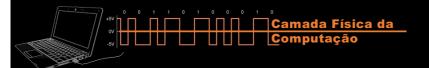


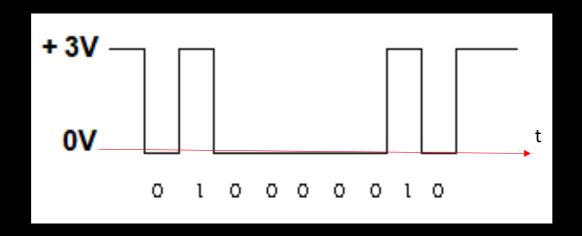




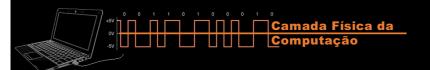


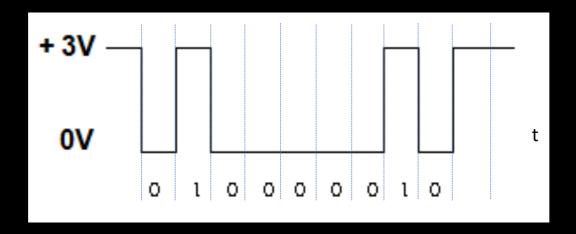
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1	5V	+5V	+12	3.3V





0	0V	-5V	0V	0V
1	5V	+5V	+12	3.3V

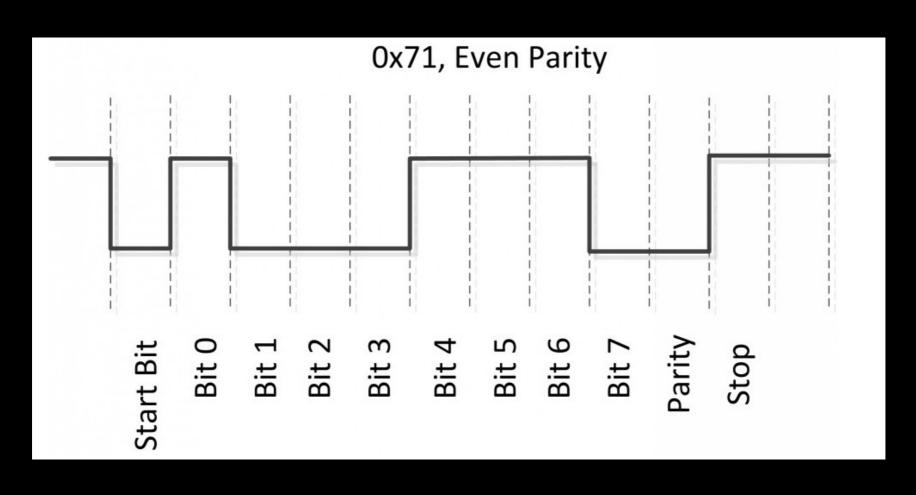




0	0V	-5V	0V	0V
1	5V	+5V	+12	3.3V

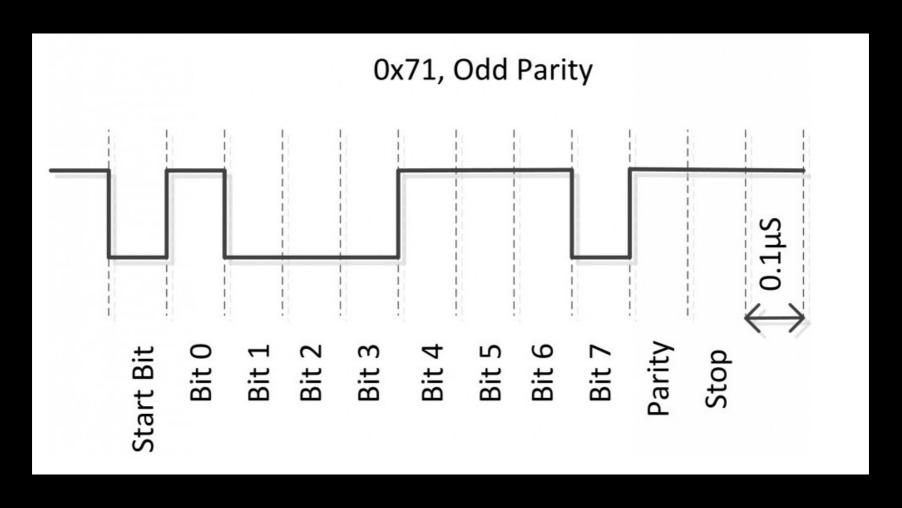


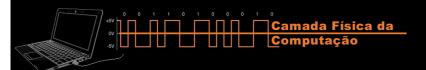
UART FRAME





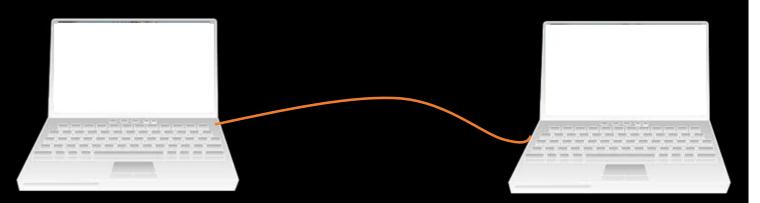
UART FRAME

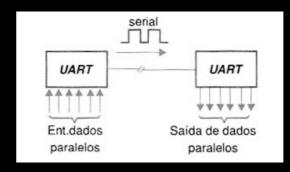


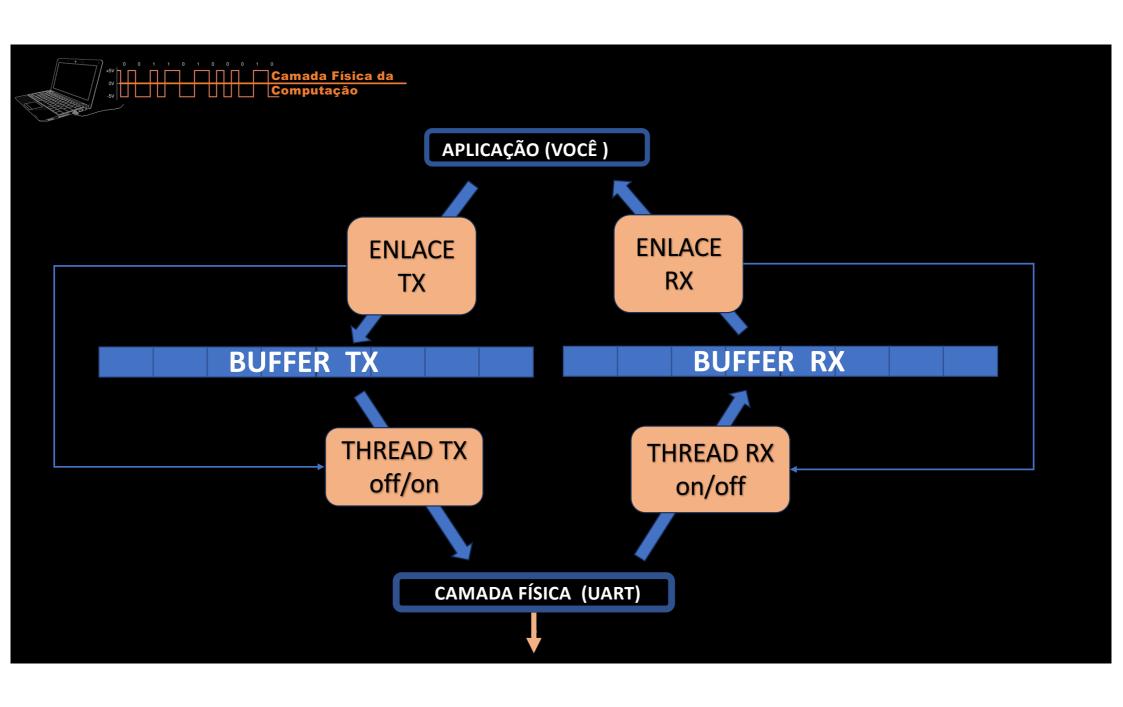


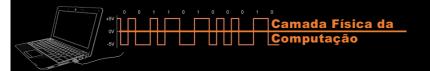
TRANSMISSÃO DIGITAL - UAF Alguns conceitos de uma camada!

- Transmissão assíncrona
- UART Start bit
- UART Stop bit
- UART TX, RX, GND
- UART Baud rate
- UART Bit rate
- UART Buffer
- UART Frame
- UART Bit de Paridade
- UART CRC









LOOP BACK!

