Disciplina PSI 3472 – Prof. Emilio - 2017 (e Hae, Márcio e Roseli)

Prof. Dr. Emilio Del Moral Hernandez

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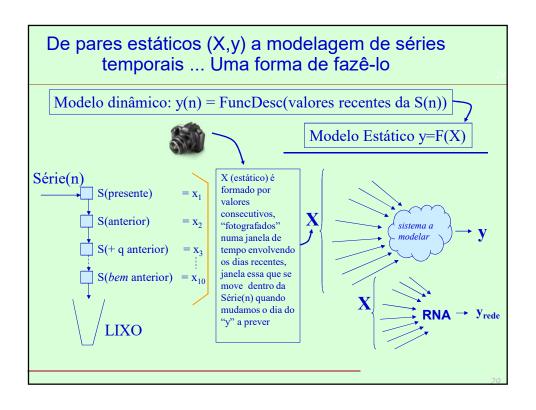


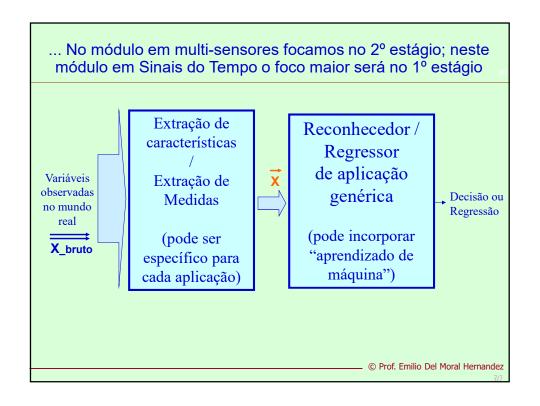


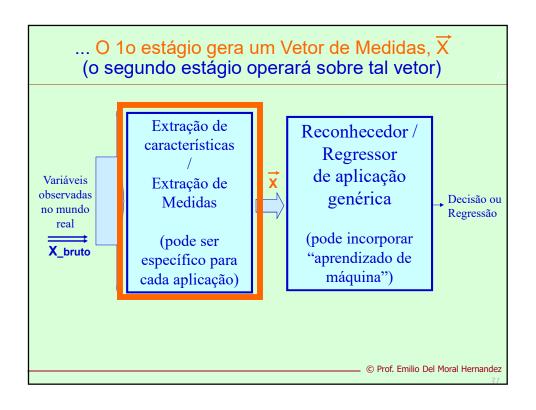
4 aulas finais de PSI3472 -

Agora abordaremos sistemas de tempo e algumas de suas especificidades ...

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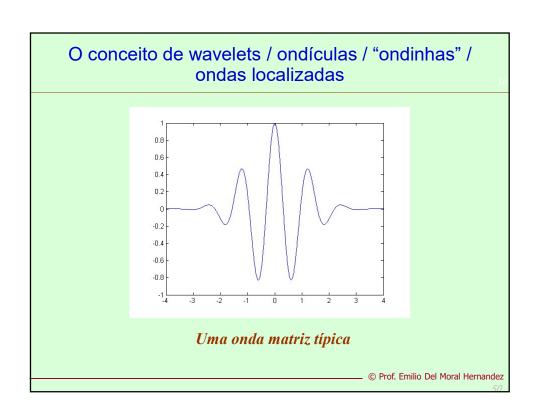
E será que os Fourier

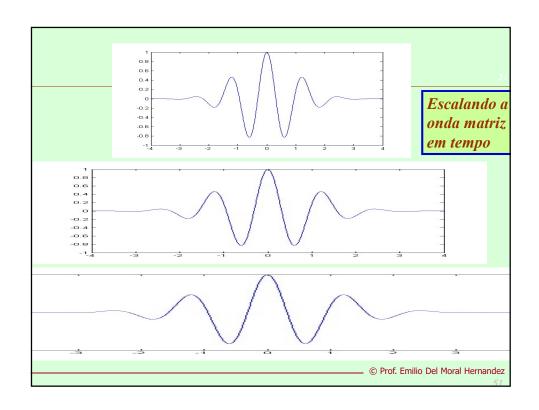
"puro sangue" e seus derivados diretos (espectro do sinal e harmônicas mais energéticas, centróide de espectro e espalhamento de espectro por ex.)

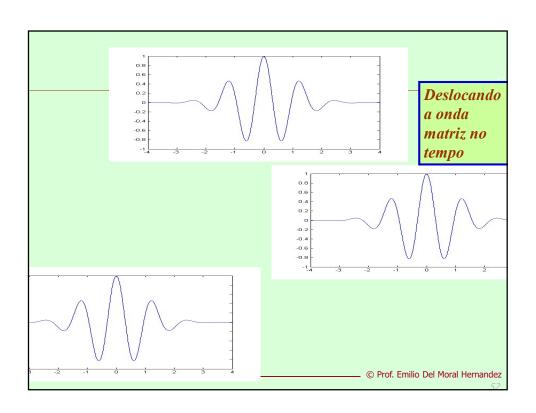
resolvem tudo em problemas com sinais de tempo?

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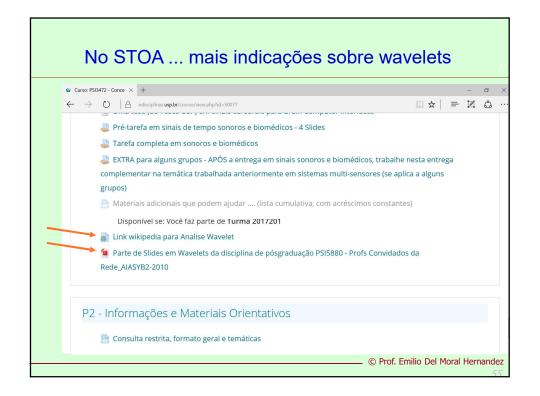


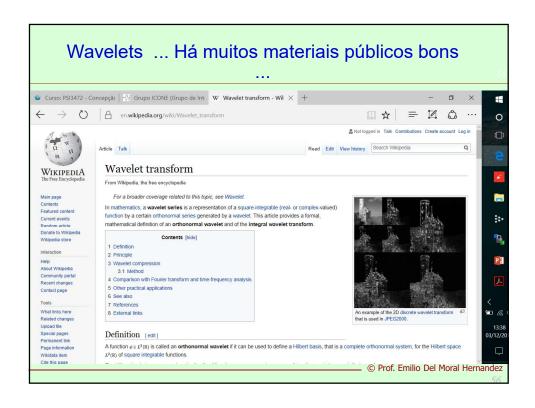


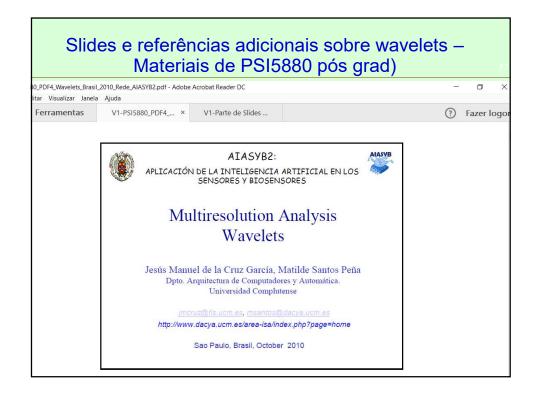
$$W(a,b) = \int_{-\infty}^{\infty} f(t) \frac{1}{\sqrt{|a|}} \psi^* \left(\frac{t-b}{a}\right)^{\substack{\text{Desloca-mento}\\\text{mento}}} dt.$$

$$f(t) = \frac{1}{C} \iint_{-\infty-\infty}^{\infty} \frac{1}{|a|^2} W(a,b) \psi_{a,b}(t) da \ db,$$

$$+ \text{ detalhes em https://pt.wikipedia.org/wiki/Wavelet}$$



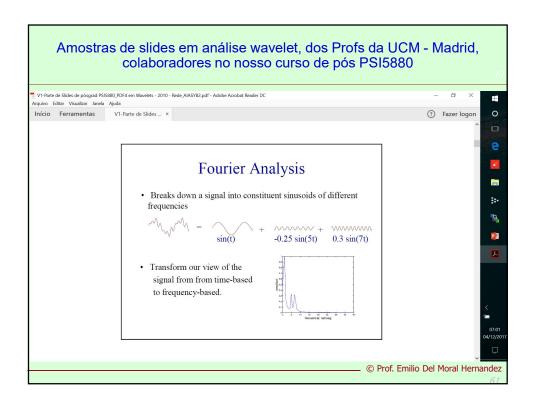


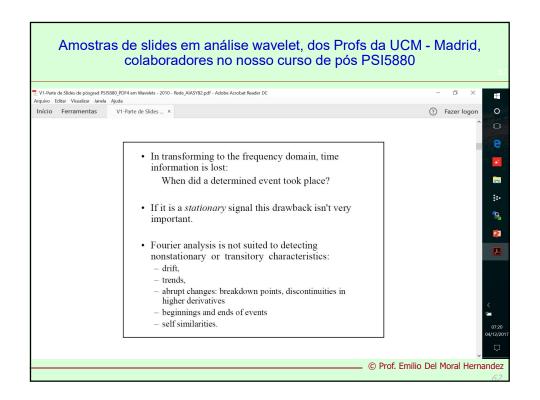


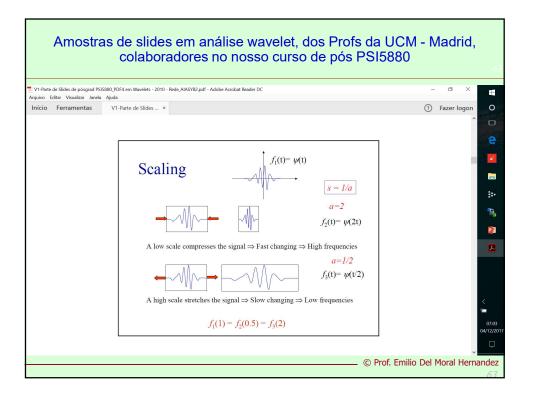


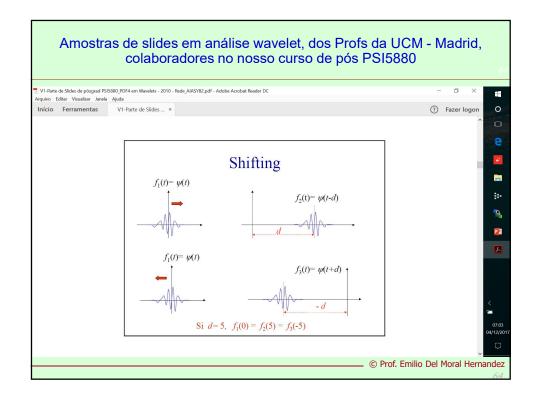


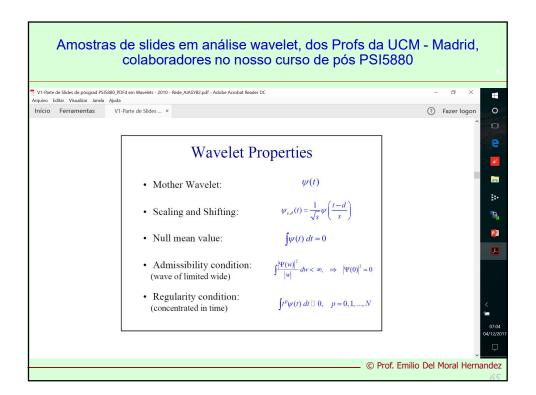


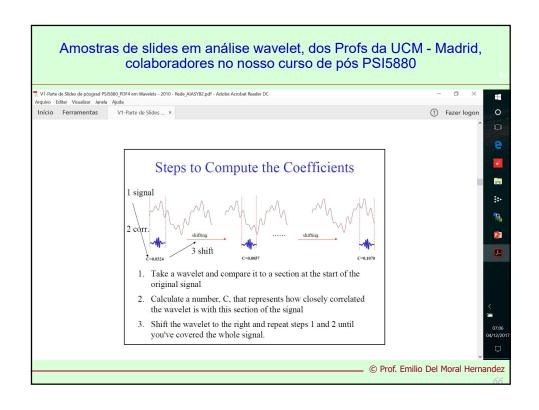


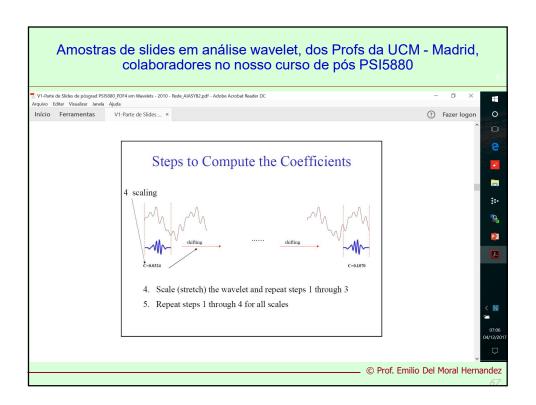










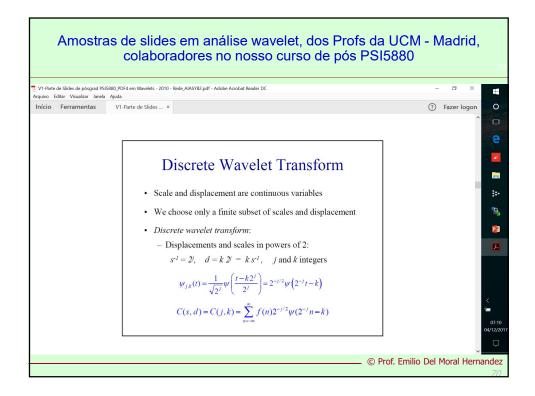


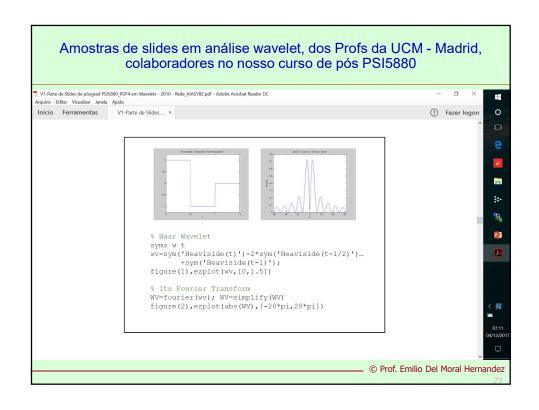
... e nesses slides dos professores visitantes da UCM (Madrid) com quem colaboramos na nossa disciplina de pós PSI5880, há mais materiais em wavelets (tópicos avançados): versão em espaços discretos, interpretações na análise de frequência, interpretações de análise multiescala, ...

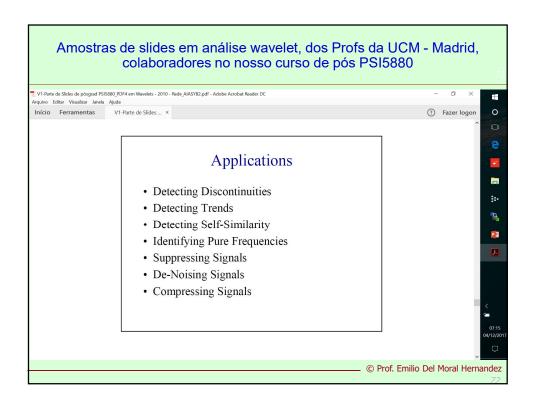
visite ... http://www.lsi.usp.br/icone

... E seu sublink ... /psi5880/2010/PSI5880 PDF4 Wavelets Brasil 2010 Rede AIASYB2.pdf

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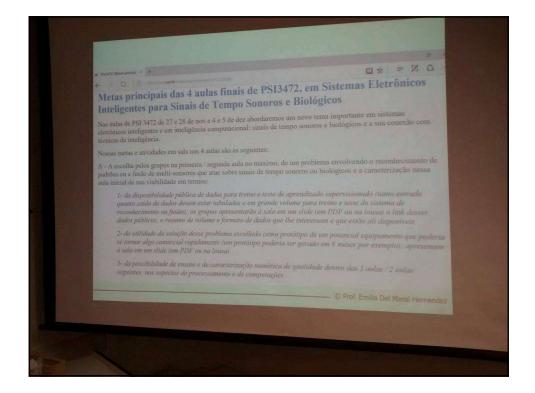




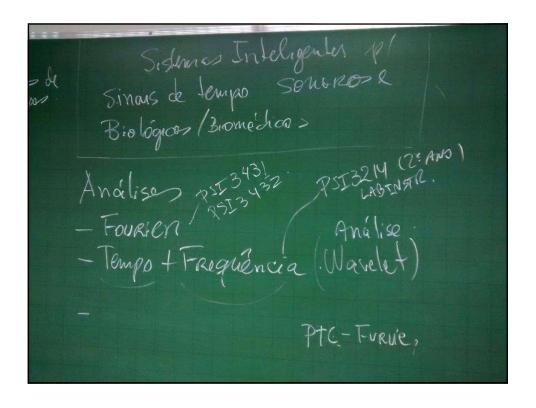


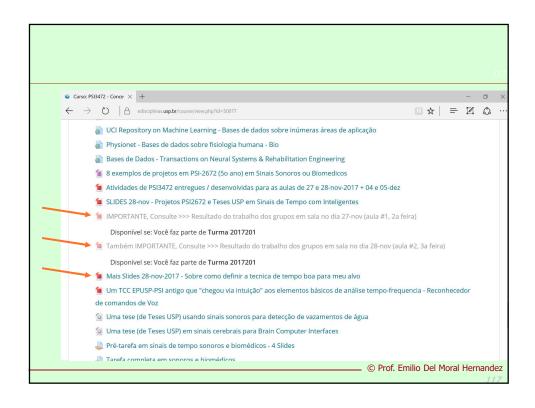
Parte das aulas de 27 e 28/nov e 04/dez: Trabalho em grupo em sala com apresentação rápida (verbal e/ou lousa + folha A4 resumo) dos resultados parciais, nos minutos finais da aula

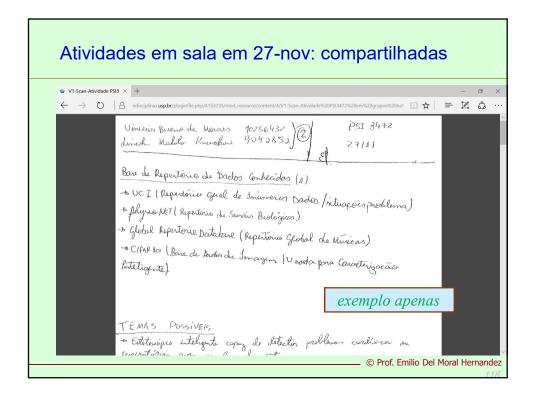
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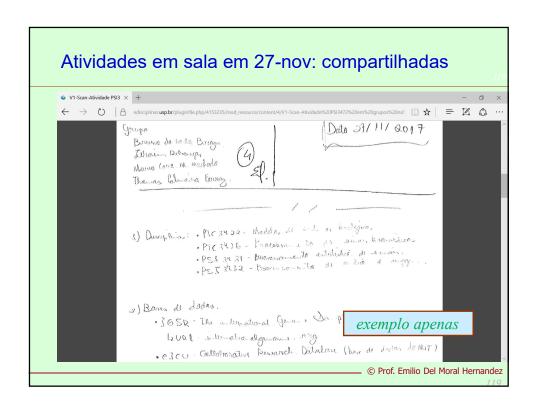












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	Lucas Nyari 6850538
	Pressure manufact
	Possiveis projetos
	-Identificador de timbre para instrumentos musicais
	- Detector de aprieta do sono exemplo apenas

