

Design with BVP (Blood Volume Pulse), HR (Heart Rate), and RESP (Respiration) on one screen.

The design uses the following connections:

Respiratory effort belt on EEG channel 1.

Pulse Oximeter pod plugged into AUX ½

Pulse Oximeter pod on setting “1” – BVP + HR

The BVP wave is shown in red.

The HR is shown in white.

Respiration is shown in blue.

The entire design is done with 3 Events using the Event Wizard

Thanks to Dr. Ron Swatzyna for collaboration on this design.

The study folder with this design is online, titled: “Tom C BVP HR RESP.bmz”

3/10/2010

GoToMeeting Viewer

Now viewing Dr. Ron J. Swatzyna's screen, controlled by Thomas Collura

Training/Control Screen - BrainMaster 3.5

GO STOP Window Clock: 11:20 Points: 002

AI: 1.05 RI: 1.39 DC1 609.12:

Component	Bandwidth	Grand Avg.	Damped Avg.	% Energy
Delta	(1.000-3.000):	6.5	4.2	10.5
Theta	(4.000-7.000):	1.1	0.9	0.0
Alpha	(8.000-12.000):	0.8	0.5	0.0
Lobeta	(12.000-15.000):	0.6	0.4	0.0
Beta	(15.000-18.000):	0.5	0.5	0.0
Hibeta	(20.000-30.000):	0.8	0.7	0.0
Gamma	(38.000-40.000):	0.2	0.2	0.0
User	(7.000-9.000):	0.5	0.5	0.0

VALUE A	RULE	VALUE B	THEN:	VAL A	VAL B	% T
GT	<=E1A	tone		91.72	91.17	51
<=30*(170/4)*ALD2; // HEART RATELT	<=E2A;	tone		91.72	91.50	44
<=DC1; // RESP	LT	<=E3A;	tone	380.93	381.79	51

Dur: 60.0 secs

Event Wizard Designer

Event Number: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

This Event Is: Enabled Disabled

Viability: Visible Hidden

Event Condition:

IF: Use Equation: Delta Amplitude Constant: 5 Damping Factor: 5

Check Equation: <=30*(170/4)*ALD2; // HEART RATE

RULE: IS LESS THAN: Delta Variability Constant: 0.5 Damping Factor: 0

Check Equation: <=E2A;

Note: You must press "Check Equation" to check and save any changes made to equations

Event Result:

THEN: Play MIDI Sound

Event Trend Graph

Scale Factor: -10 Offset: 90

Event Summary:

Summary for Event 2: EVENT 2 IS CURRENTLY: ENABLED
 IF: EQN: <=30*(170/4)*ALD2; // HEART RATE IS LESS THAN EQN: <=E2A;
 THEN: Play MIDI Sound MODE: 2 NOTE: 39 INSTR: 73 Flute
 STYLE: Sustained MODULATION: Amplitude LOUDNESS: Level 63
 LOUDNESS CHANGE RATE: 10 PITCH CHANGE RATE: 10
 KEY: B MODE: Blues CHORD: 1 Note

MIDI Sound Properties:

Starting Note: 39 B (433.9) 1 to 88

Instrument: Flute

Playing Style: Flute

Modulation: Sustained

Starting Loudness: 63

Loudness Change Rate: 10

Note Change Rate: 10

Musical Scale (Mode): Blues

Musical Key: B

Play Note or Chord: 1 Note

Enable All Events: Disabled

Clear All Events: Show All

Help Copy Use

File Options View Help

Screen Sharing

Now viewing Dr. Ron J. Swatzyna's screen

Play Stop Mute Show My Screen

Attendee List (2 | Max 16)

NAMES - ALPHABETICALLY

- Thomas Collura (Organizer, Me)
- Dr. Ron J. Swatzyna (Presenter)

Audio

Audio Mode: Use Telephone Use Mic & Speakers

Dial: 312-878-0203
 Access Code: 812-527-313
 Audio PIN: 71

If you're already on the call, press #71# now.

Chat

Invite Others

Call the person and say:

- Go to JoinGoToMeeting.com
- Enter this meeting ID: 812-527-313

Email Invitation Copy Invitation

Meeting ID: 812-527-313

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disc 2010c Type: Adobe Acrobat 7.0 Docu

- Minimum requirements for running Internet and Particle Editor with BrainMasterZ
- Setup and Control Program

JAN. 15, 2010 meeting ... Particle Editor Aristotle Neurofeed...

start Dr Syed GoToMeeting : Web c... BrainMaster Technolo... GoToMeeting

2:50 PM

