

[ANEXO 2]

Código de la Función “set_delta” del Programa Wav2Midi de Pablo Bustos.

```
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```

```
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%MA 02111-1307, USA.
```

```
%Copyright (C) Pablo Busto González
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```

```
function [delta]=set\_delta(ticks)
```

```
%dado un numero de ticks transcurridos desde el ultimo evento
%MIDI devuelve el vector de longitud 1,2,3, ó 4 segun el valor
%de este último
%fprintf ('Voy a calcular el delta-time basandome en los ticks
%que me han llegado')
```

```
ticks=round(ticks);
```

```
if ticks<128
```

```
    %1 solo byte
    delta=ticks;
```

```
elseif ticks<128^2
```

```
    %2 bytes
    delta(1)=floor(ticks/128)+128;
    delta(2)=rem(ticks,128);
```

```
elseif ticks<128^3
```

```
    %3 bytes
    delta(3)=rem(ticks,128);
    delta(2)=rem((floor(ticks/128)),128)+128;
    delta(1)=floor((floor(ticks/128))/128)+128;

elseif ticks<128^4

    %4 bytes
    delta(4)=rem(ticks,128);
    delta(3)=rem((floor(ticks/128)),128)+128;
    delta(2)=rem(floor((floor(ticks/128))/128),128)+128;
    delta(1)=floor(((floor(ticks/128))/128)/128)+128;

else

    %silencio demasiado largo
    delta=0;
end

delta;

%pause;
```