

CONDIZIONE 1 basata sugli armonici

if (j<(len(data.T)-20) and vectnote[j]>0.0 and allowance > 0.0 and
vectnote[j+12]<vectnote[j]*Pshp*(1.0+Pthp) and vectnote[j+12]>vectnote[j]*Pshp*(1.0-Pthp) and
vectnote[j+19]<vectnote[j]*Pshs*(1.0+Pths) and vectnote[j+19]>vectnote[j]*Pshs*(1.0-Pths)):

CONDIZIONE 2 basata sull' algoritmo di detection della waveform

elif (j<(len(data.T)-20) and existsum<5 and vectmono[j]>0.0 and allowance > 0.0 and
vectnote[j+12] < vectmono[j]*Pshp*(1.0+Pthp) and vectnote[j+12]>vectmono[j]*Pshp*(1.0-Pthp)):

CONDIZIONI 3 e 4 per note acute

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elif (j>27 and j<38 and vectnote[j]>0.0 and vectnote[j]>data[i,j-12]/170*1.15 and
vectnote[j]>data[i,j-19]/170*1.15 and allowance > 0.0 and vectnote[j+12]>vectnote[j]*0.75 and
vectnote[j+12]<vectnote[j]*1.25):

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elif (j>37 and j<51 and vectnote[j]>0.0 and vectnote[j]>data[i,j-12]/170*1.15 and
vectnote[j]>data[i,j-19]/170*1.15 and allowance > 0.0 and (datafft[i,j]
+datafft[i,j+12]+datafft[i,j+19])>(datafft[i,j-12]+datafft[i,j]+datafft[i,j+7])*0.75 and (datafft[i,j]
+datafft[i,j+12]+datafft[i,j+19])>(datafft[i,j-19]+datafft[i,j-7]+datafft[i,j])*0.75):

CONDIZIONE 5 quinte

elif(j>6 and j<39 and vectnote[j]>0.93*(vectnote[j-7]+vectnote[j+5])*0.5 and exist[j-7]>0 and
datafft[i,j+12]>0.66*datafft[i,j-7]):

CONDIZIONE 6 terze

elif (j>15 and j<47 and ((exist[j-16]>0 and exist[j-4]>0 and exist[j+3]>0 and
vectnote[j]>0.93*(vectnote[j-16]+vectnote[j-4]+vectnote[j+3])/3.) or (exist[j-15]>0 and exist[j-3]>0
and exist[j+4]>0 and vectnote[j]>0.93*(vectnote[j-15]+vectnote[j-3]+vectnote[j+4])/3.))):