Fourier Series

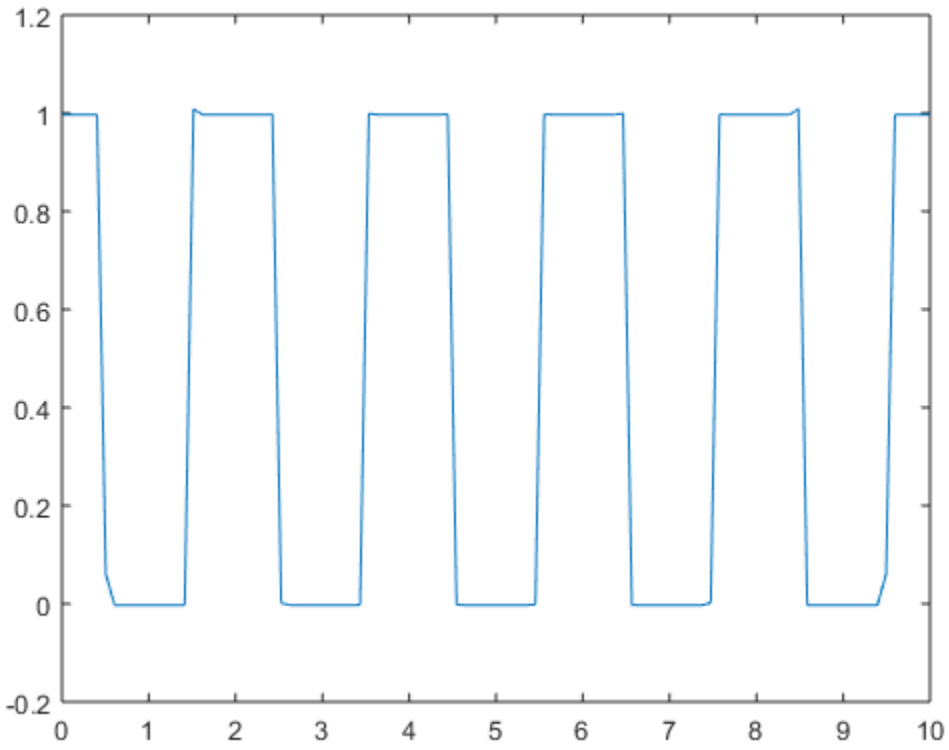
100 harmonics

```
w = pi;
a0 = 1/2;
f = 0;
t = linspace(0,10);

for n = 1:1:100
    an = (sin(n*pi/2))/(n*pi/2);
    bn = 0;
    f = f + an*cos(n*pi*t);
end

f = f + a0;

plot(t,f)
```



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