

suit-
ably
nice
 $f: R \rightarrow$
 R
nicely
 $\sin(nx)$
 $\cos(nx)$
 $n \in$
 Z
basi-
lar-
nem-
brane
Fourier
trans-
forms
time
fre-
quen-
cies

groups
 $(G, +)$
fi-
nite
cyclic
group
of
or-
der
 n
 Z/nZ
 $z =$
 $a +$
 $bi \in$
 C
mod-
ulus
 $\sqrt{a^2 + b^2}$
 $a +$
 $bi \in$
 C
con-
ju-
gate
 $a -$
 bi
 S^1
unit
cir-
cle
 C
 $S^1 \{z \in$
 $C : z =$
 $1\}$
Euler's
for-
mula
 $e^{i\theta} =$
 $\cos(\theta) +$
 $i \sin(\theta)$
 $z \in$
 S^1
uniquely
 $e^{i\theta}$
 $\theta \in$
 $[0, 2\pi)$
*
 X
 Y
 $Z =$
 $X +$
 $Y =$
 $Z =$
 X, Y
 $[1, 6]$
 $1 +$
 $6.2 +$