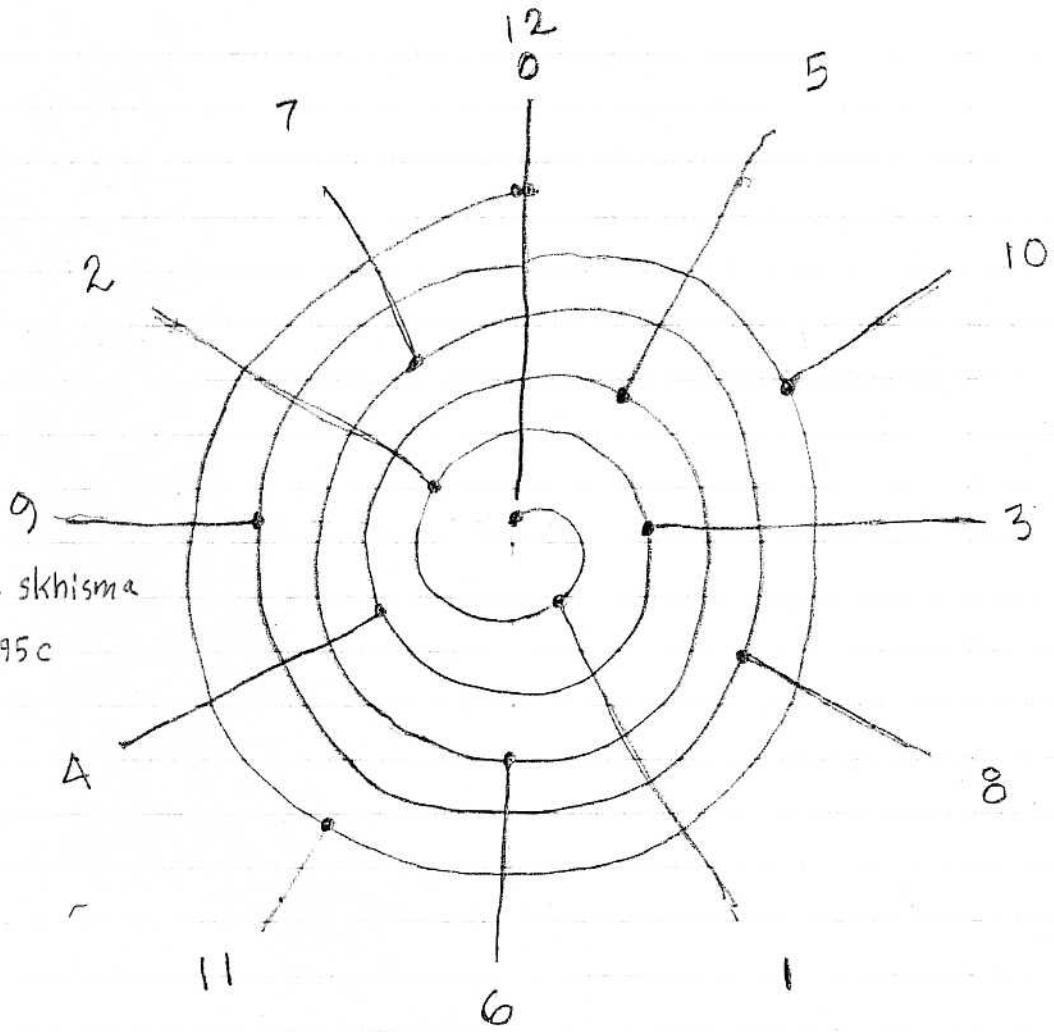


The 3-gap theorem (Steinhaus conjecture) revisited

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Fig 1



* Note that $\frac{2187}{2048}$ is a skhisma larger than $\frac{16}{15} \cdot 1.95c$

2-Gap Pattern (2GP)
3-Gap Pattern (3GP)

Fig 2

	0	5	10	3	8	1	6	11	4	9	2	7	12	
2GP		4/3						3/2						MOS
2GP		4/3						4/3					9/8	MOS
3GP		32/27			9/8		4/3					9/8		
2GP		32/27			9/8		32/27			9/8	9/8			MOS
3GP	$\frac{256}{243}$	9/8	9/8		32/27			9/8	9/8		9/8			
2GP	$\frac{256}{243}$	9/8	9/8		$\frac{256}{243}$	9/8	9/8	9/8		9/8				MOS
3GP	$\frac{256}{243}$	9/8	9/8		$\frac{256}{243}$	9/8	$\frac{256}{243}$	9/8	9/8		$\frac{256}{243}$	$\frac{2187}{2048}$		
3GP	$\frac{256}{243}$	9/8	$\frac{256}{243}$	$\frac{2187}{2048}$	$\frac{256}{243}$	$\frac{2187}{2048}$	$\frac{256}{243}$	9/8	9/8		$\frac{256}{243}$	$\frac{2187}{2048}$	$\frac{256}{243}$	$\frac{2187}{2048}$
3GP	$\frac{256}{243}$	9/8	$\frac{256}{243}$	$\frac{2187}{2048}$	$\frac{256}{243}$	$\frac{2187}{2048}$	$\frac{256}{243}$	9/8	$\frac{256}{243}$	$\frac{2187}{2048}$	$\frac{256}{243}$	$\frac{2187}{2048}$	$\frac{256}{243}$	$\frac{2187}{2048}$
3GP	$\frac{256}{243}$	$\frac{256}{243}$	$\frac{2187}{2048}$	$\frac{256}{243}$	$\frac{2187}{2048}$	$\frac{256}{243}$	9/8	$\frac{256}{243}$	$\frac{2187}{2048}$	$\frac{256}{243}$	$\frac{2187}{2048}$	$\frac{256}{243}$	$\frac{2187}{2048}$	
2GP	$\frac{256}{243}$	$\frac{256}{243}$	$\frac{2187}{2048}$	$\frac{256}{243}$	$\frac{2187}{2048}$	$\frac{256}{243}$	$\frac{256}{243}$	$\frac{2187}{2048}$	$\frac{256}{243}$	$\frac{2187}{2048}$	$\frac{256}{243}$	$\frac{2187}{2048}$	$\frac{256}{243}$	MOS

Annotated for "4" 24OCT05·EW

Bilawal Tonic *

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