

BETTER FASTER:

Brian Manzella, PGA



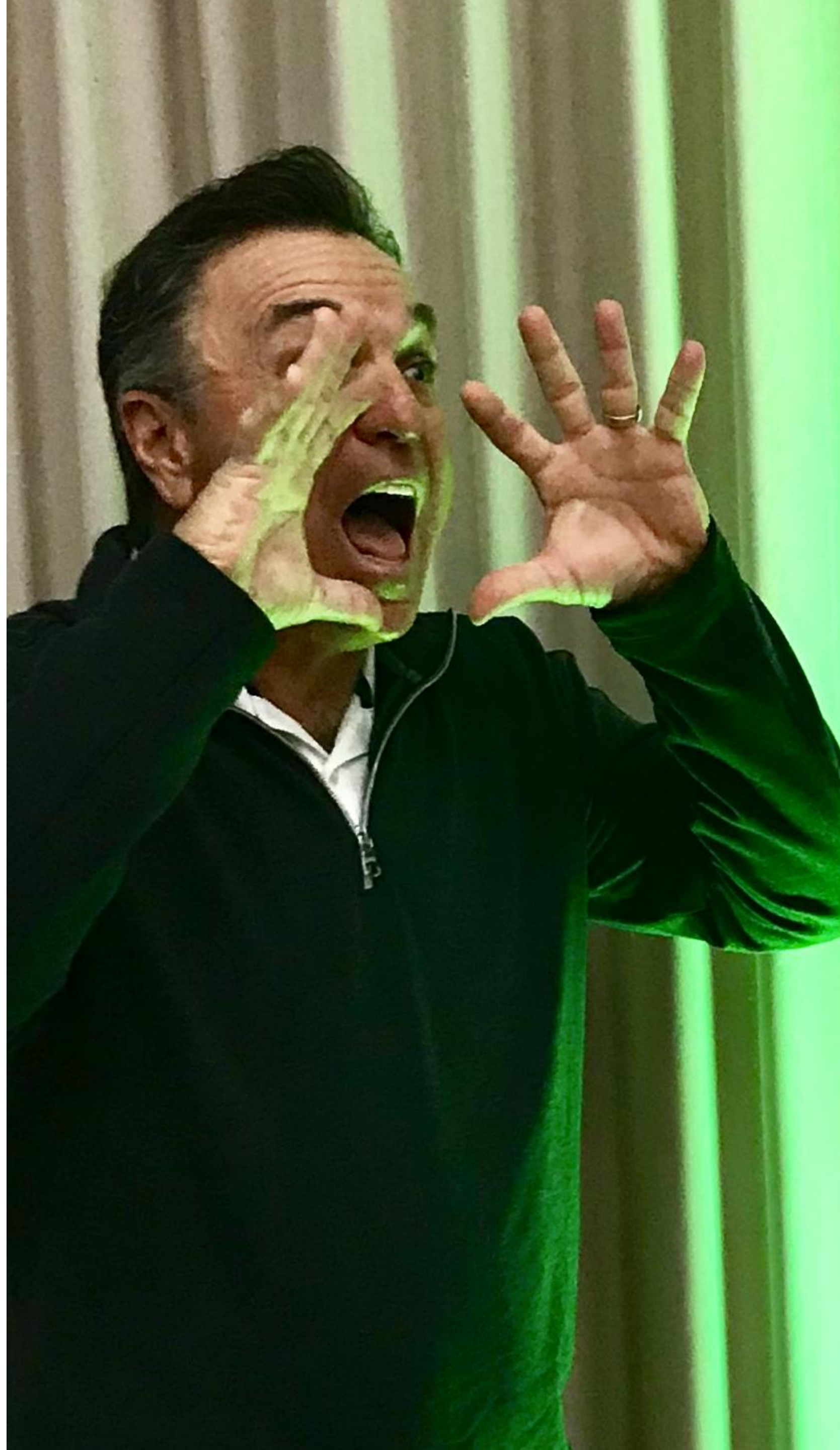
BETTER **FASTER:**

THANK YOU
FOR THE GIVING
ME THE
OPPORTUNITY TO
SHARE



PRIVATE ESTATE
DESIGNED IN AMERICA





BETTER **FASTER:** PREFACE

FROM THE TOP OF THE MOUNTAIN

- The golf teacher is the swing expert
- You should always work on your own game
- A golf swing can improve dramatically fast
- There is ALWAYS an answer—science has some of them
- Lessons should be fun
- Fix the issue at hand and then develop the student

TEACHING GOLF IS ALL ABOUT

Creating a workable pattern





BETTER **FASTER:** PREFACE

AND PEOPLE



BETTER **FASTER:** PREFACE

2012 SPORTS ILLUSTRATE D AT THE MAJORS

625 lessons at 4 events

Improve the golfer in front of you as if you will never see them again, but do it in a way that you'd be happy if you did

RELATE

Every student is different
Every lesson is different
Be different



BETTER **FASTER:** PREFACE

BE A POSER

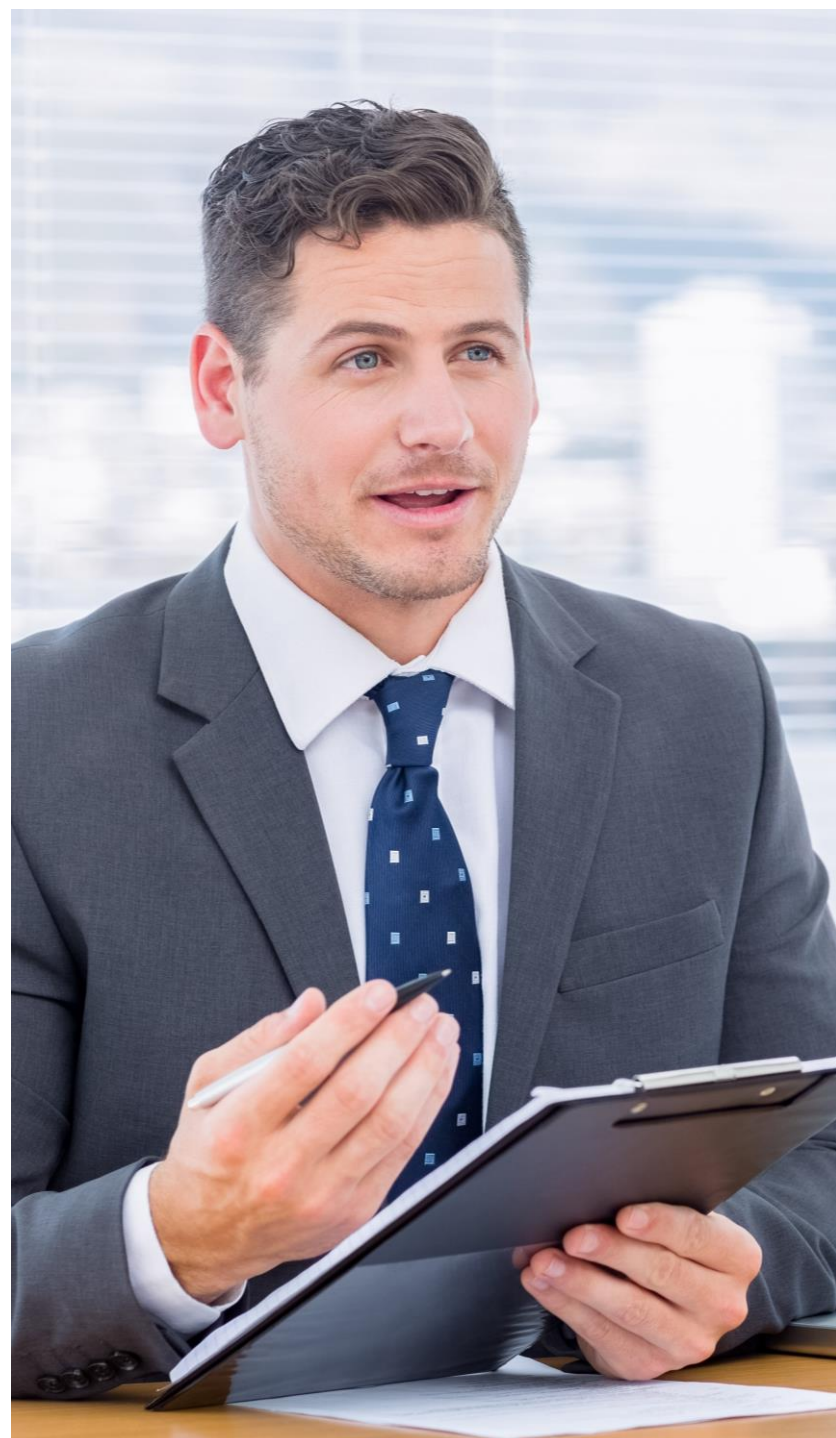
First skill every golf teacher needs to acquire



BE A JAZZ MUSICIAN

Try to never sing the same song exactly the same way twice





BETTER **FASTER:** PREFACE

TELL ME ABOUT YOUR GAME

The non-interview, interview



BETTER **FASTER:** PREFACE

WHY DID THIS GOLF BALL GO THERE

As as exactly as possible—why?

Not—What did this golfer do that I don't prefer

NON- GOLFLIKE

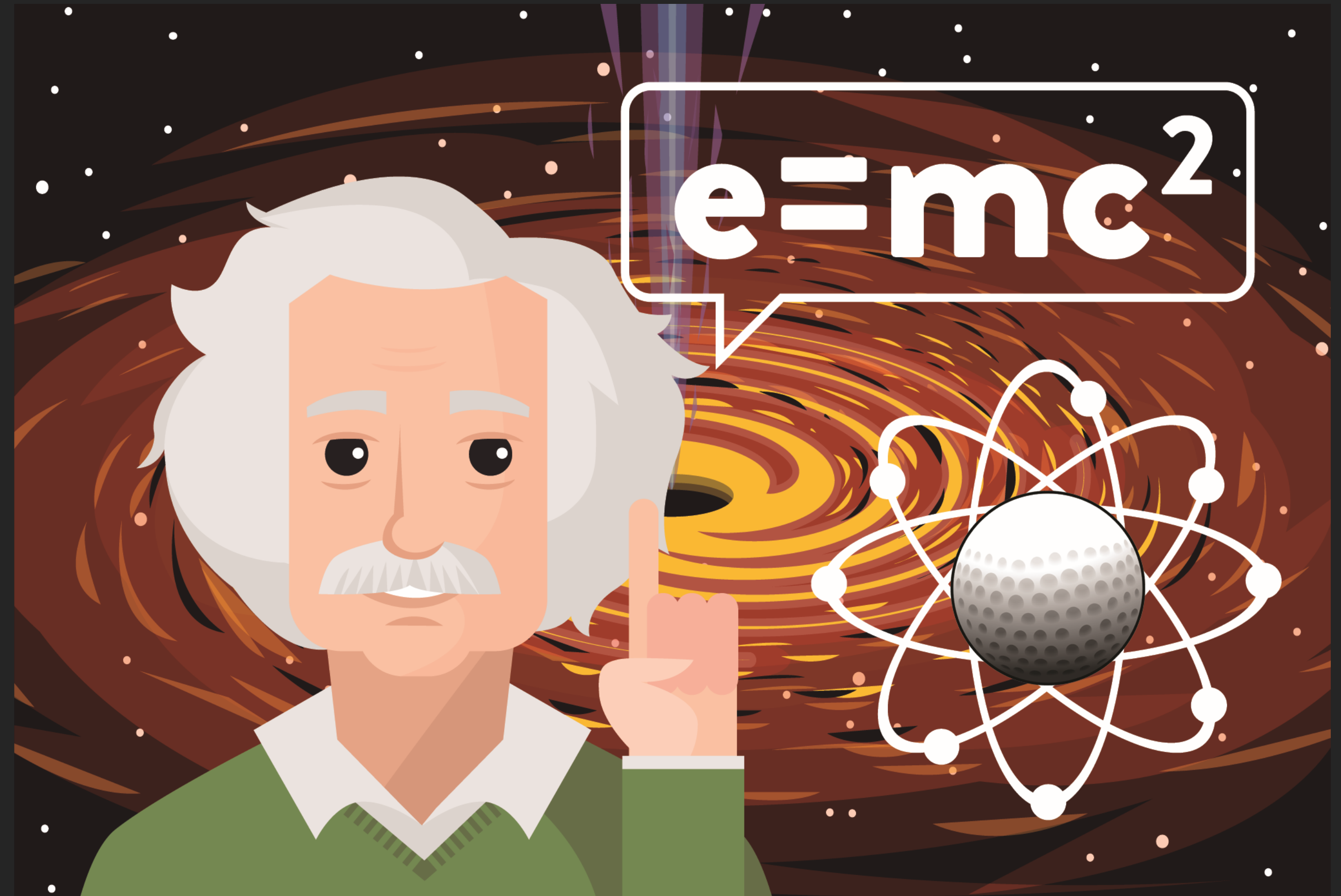
It's supposed to be a swing

So teach them to swing



USING GOLF SCIENCE

It's just science and another tool in the toolbox



ROOTS

ALWAYS give credit where credit is due



BETTER **FASTER:** PREFACE

ACKNOWLEDGEMENTS

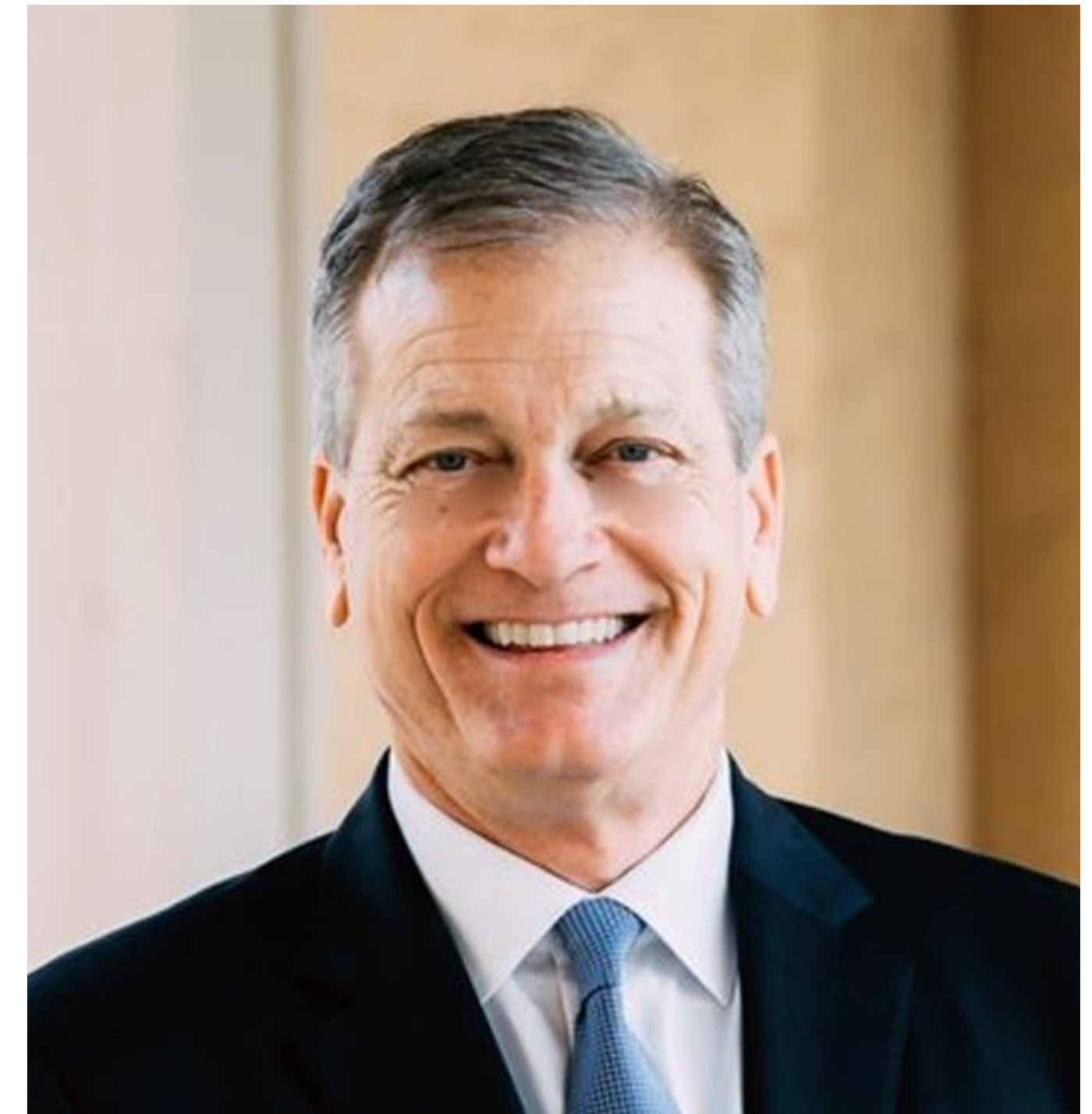
Derek Sanders



Ed Ibarguen



Rick Murphy



DAWN OF A NEW ERA

Dr. Steven Nesbit, Michael Jacobs, PGA, Brian Manzella, PGA





There is...
What the teacher says
What the student *thinks*
the teacher says
What the student
actually does

Brian Manzella's Rules of Golf Instruction - #1

BETTER FASTER: HELPING YOUR STUDENTS BY SEPARATING FACT FROM FICTION

Brian Manzella, PGA

English Turn Golf & Country Club | Studio in the Sky

New Orleans





“IF YOUR **STUDENT**
ISN'T IMPROVING, **YOU**
ARE EITHER WORKING
ON THE WRONG THING
OR YOU ARE TRYING
TO IMPLEMENT THE
RIGHT THING IN THE
WRONG WAY FOR THAT
STUDENT.”

Brian Manzella

THE GOAL:

GIVE YOU THE MOST IDEAS THAT YOU CAN USE TODAY ON YOUR



BETTER **FASTER:**

THE PLAN

“If you don’t know where you are going, you’ll end up someplace else.” — Yogi Berra

Everybody Has a Plan Until They Get Punched in the Mouth —Mike Tyson



Frames of Reference and Golfer Inputs

A better way to see what is actually happening



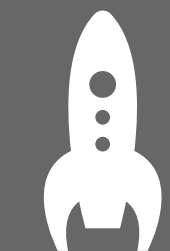
Manzella-isms

Grips. Hips and Left Shoulder Paths



Myth Busting

When Ideas work they are probably correct and when they don’t—they aren’t.



Getting it done in the Real World

How to give better lessons while you keep getting better



FRAMES OF REFERENCE AND GOLFER INPUTS



BETTER **FASTER:**

USER FRAME VS. WORLD FRAME

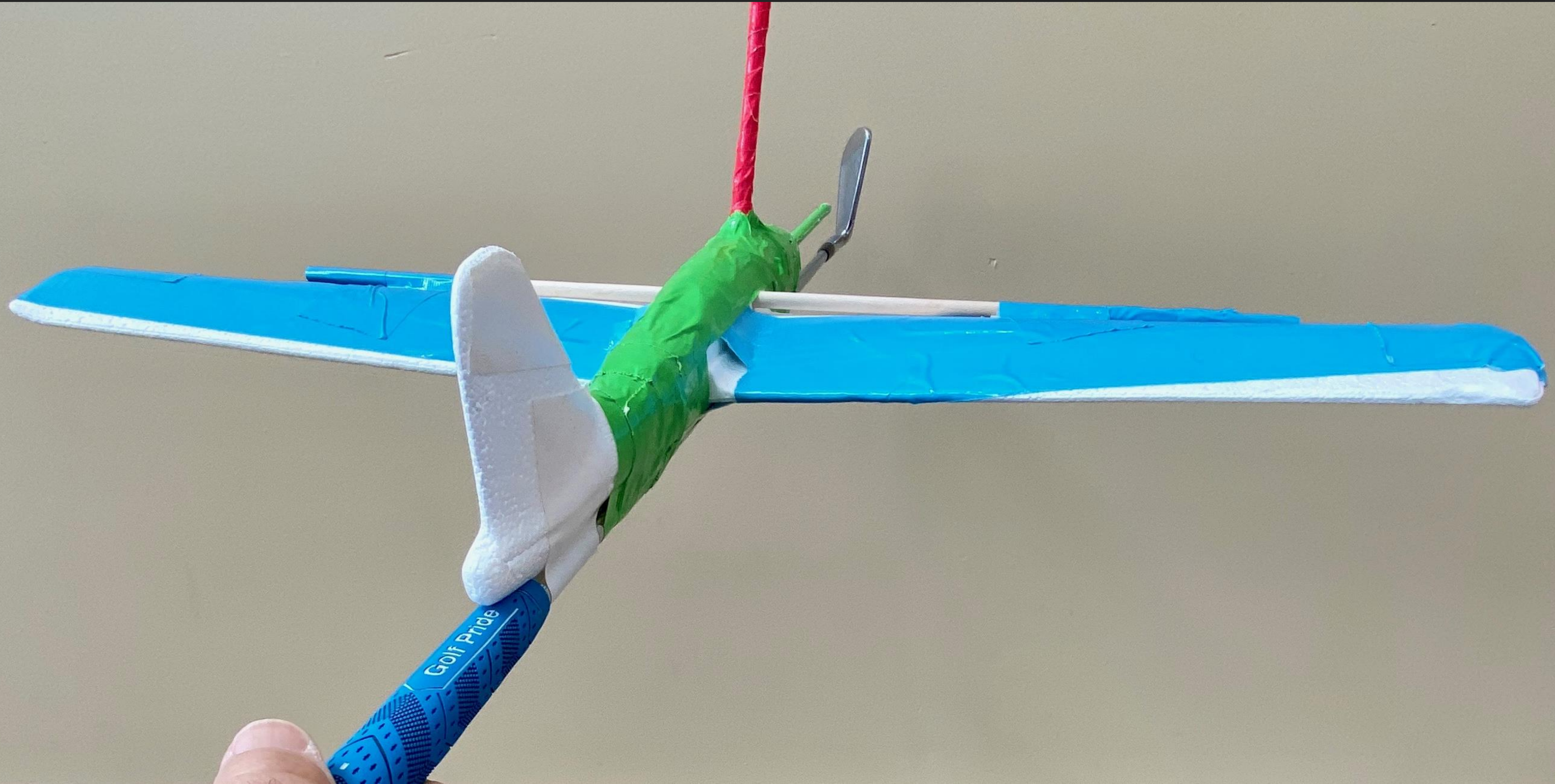
The cabin vs. the runway



BETTER **FASTER:**

THE AEROPLANE

Unless you flip the club over during the swing



BETTER **FASTER:**

USER FRAME

ALPHA AXIS

90° to the score lines of the club





BETTER **FASTER:**

USER FRAME

BETA AXIS

Perpendicular to the scorelines

BETTER **FASTER:**

USER FRAME

GAMMA AXIS

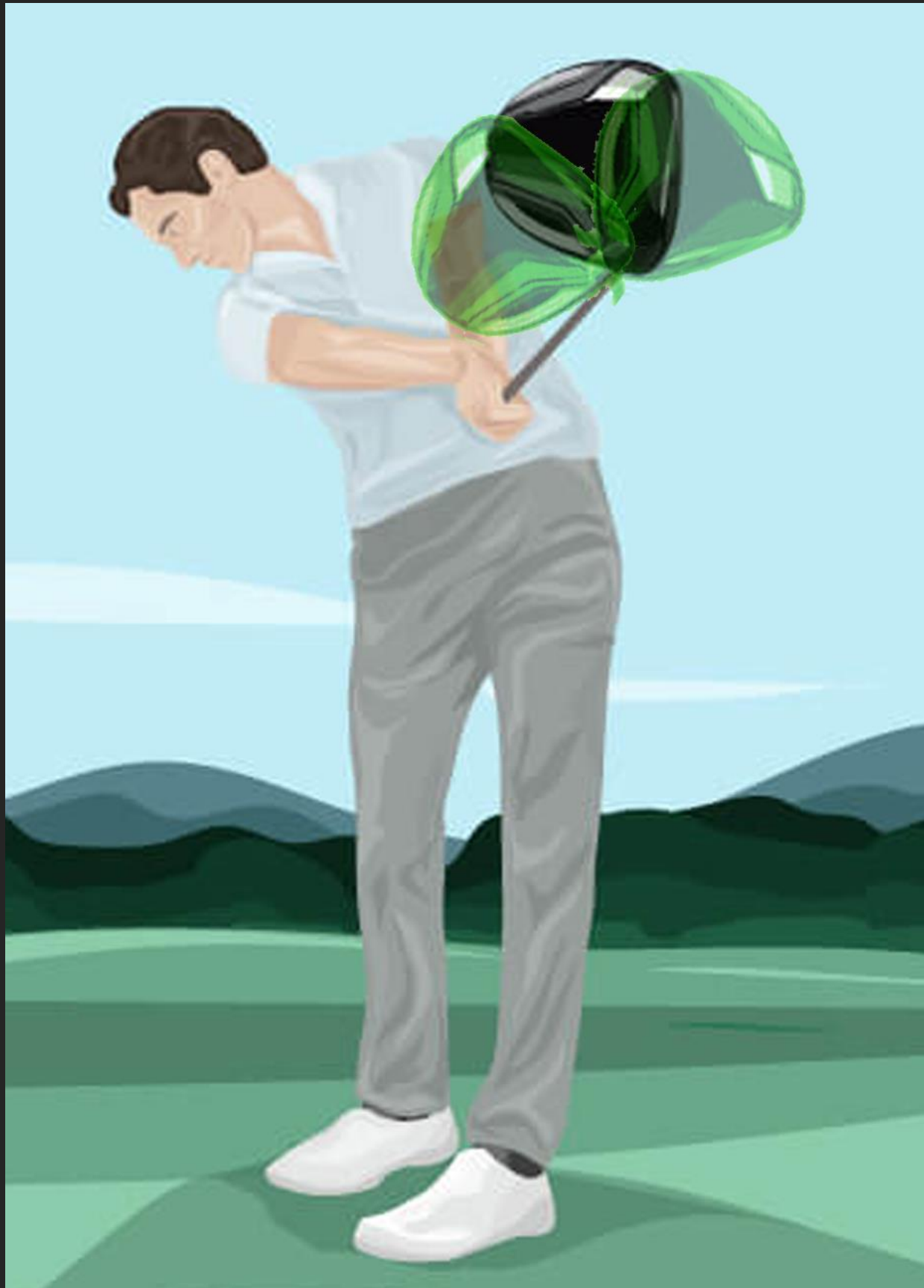
Along the long axis of the shaft



BETTER FASTER:

WORLD FRAME

ALPHA, BETA & GAMMA



BETTER **FASTER:**

MOVING THE CLUB

Something has to move it

What is that something?



FORCES & TORQUES

Translation - Pushing/Pulling - Linear

Rotation - Twisting - Angular



FORCE



TORQUE

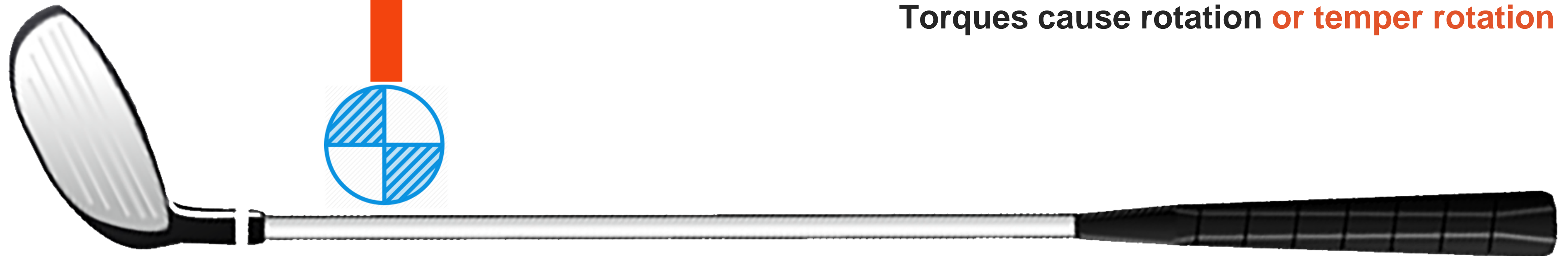


FORCES & TORQUE



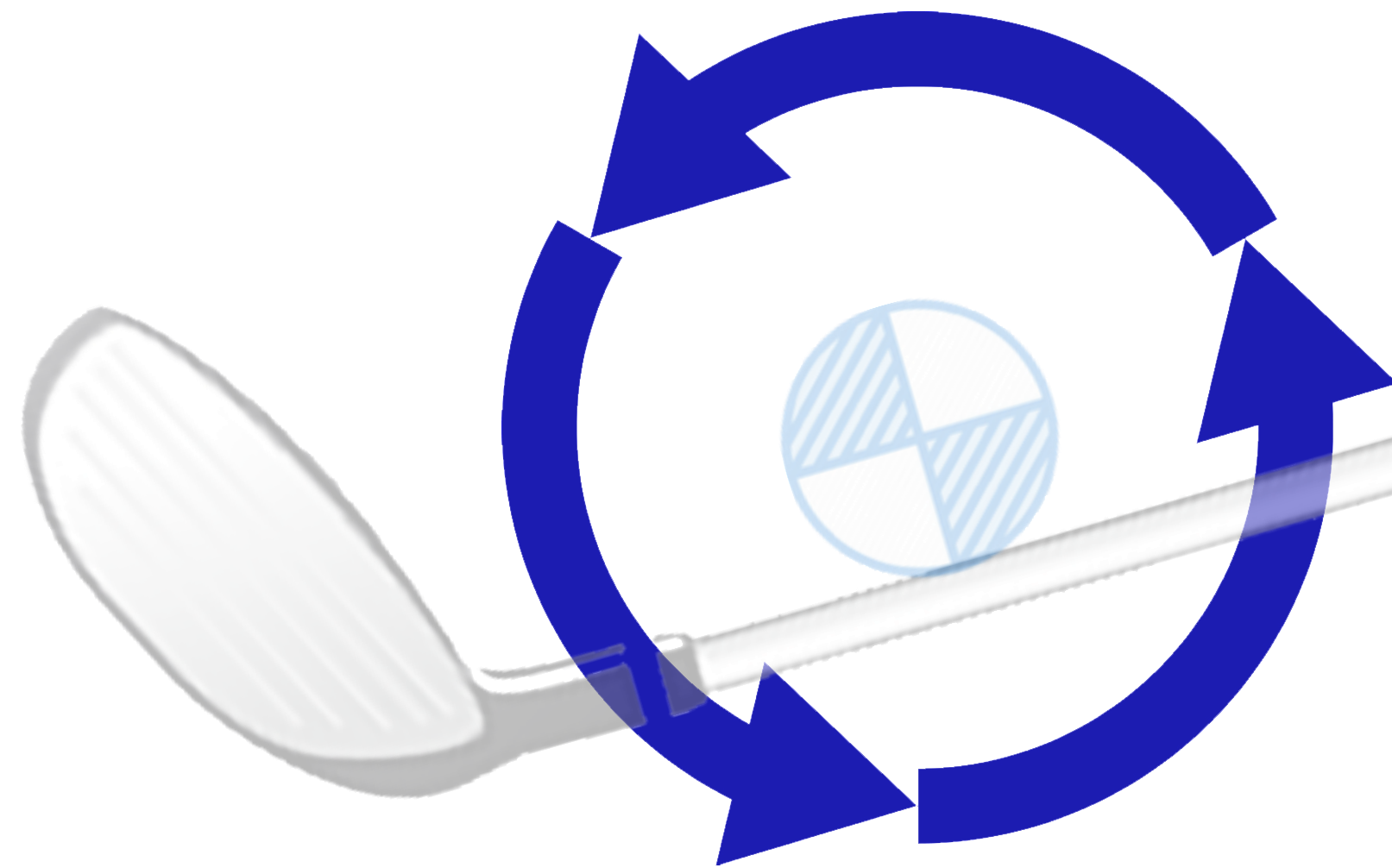
Forces cause translation **or translation plus rotation**

Torques cause rotation **or temper rotation**



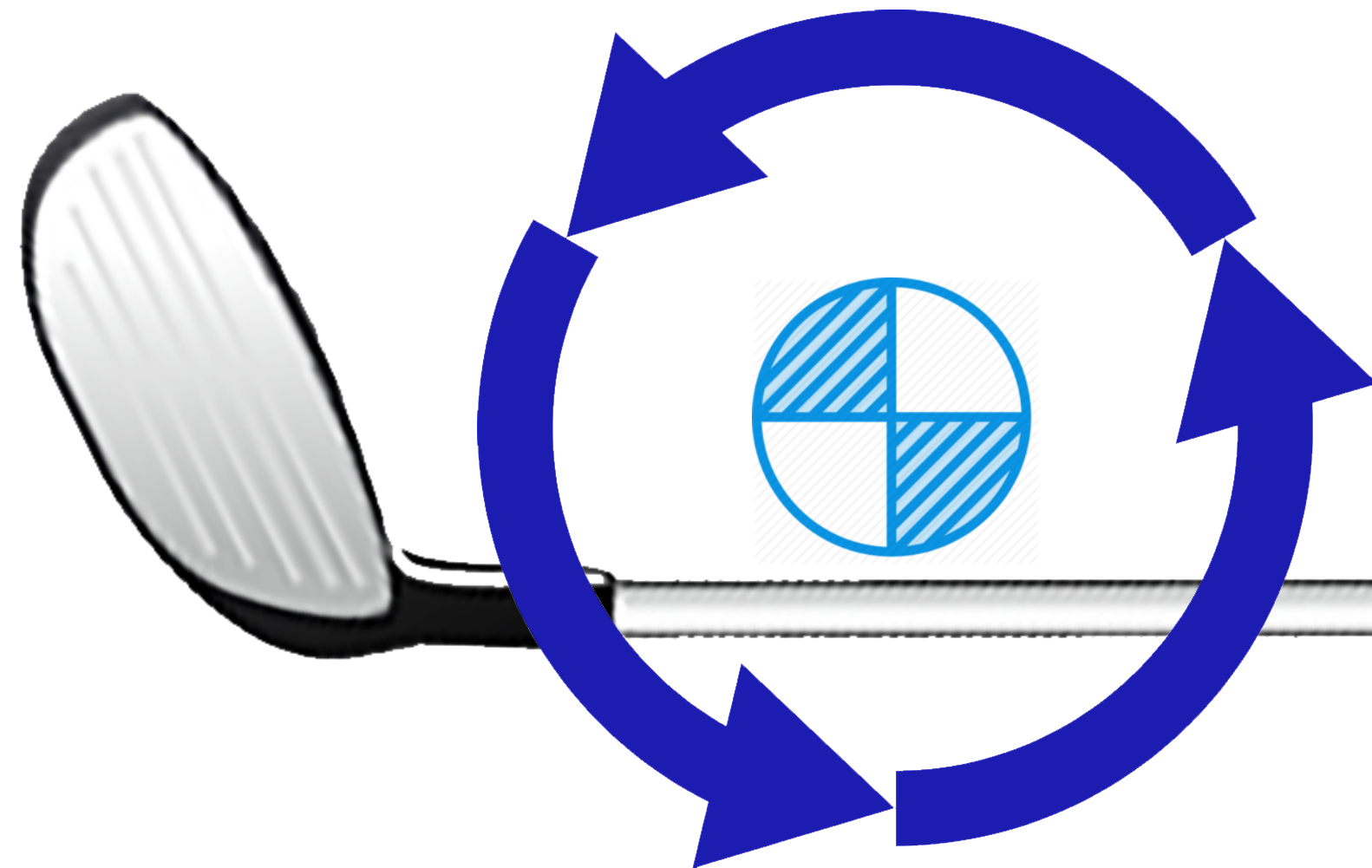
FORCE CAUSING TRANSLATION

FORCES & TORQUE



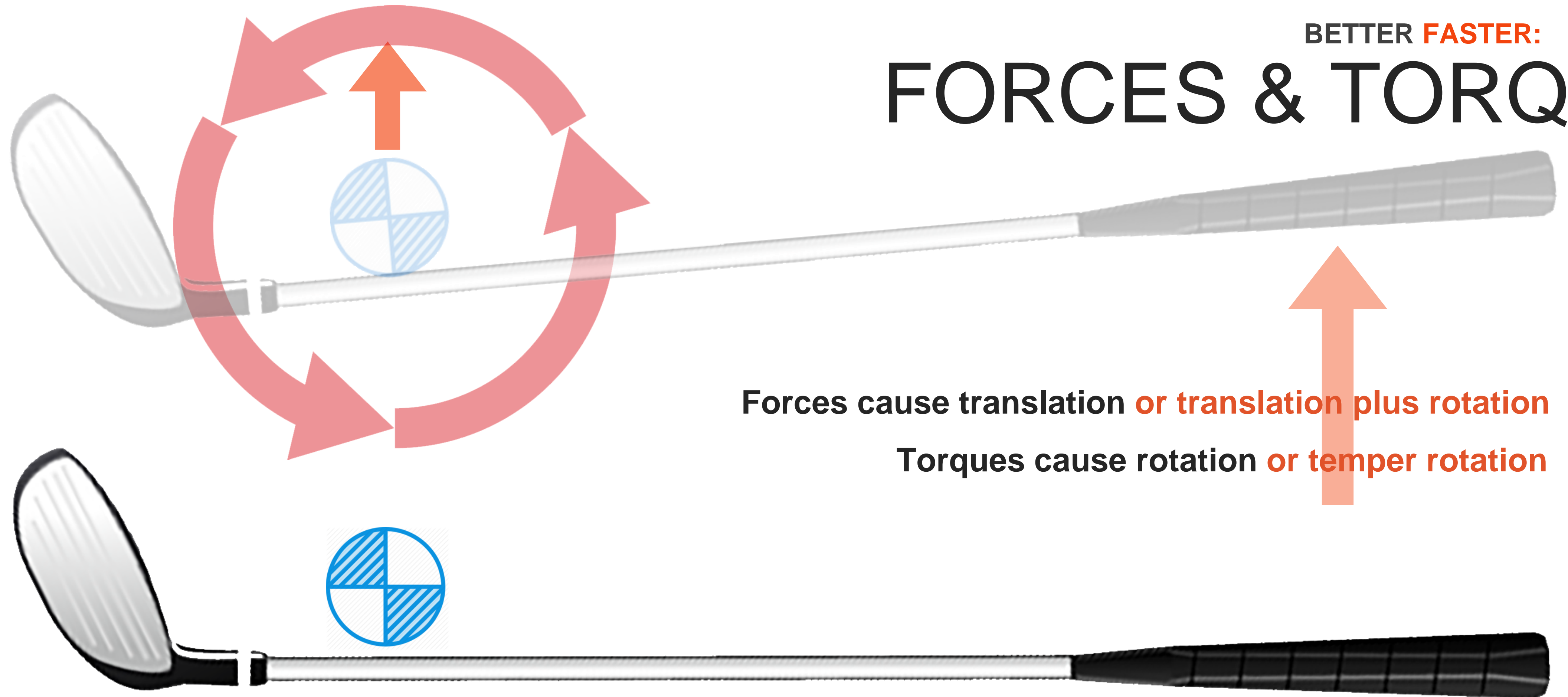
Forces cause translation **or translation plus rotation**

Torques cause rotation **or temper rotation**



TORQUE CAUSING ROTAT

BETTER FASTER: FORCES & TORQUE

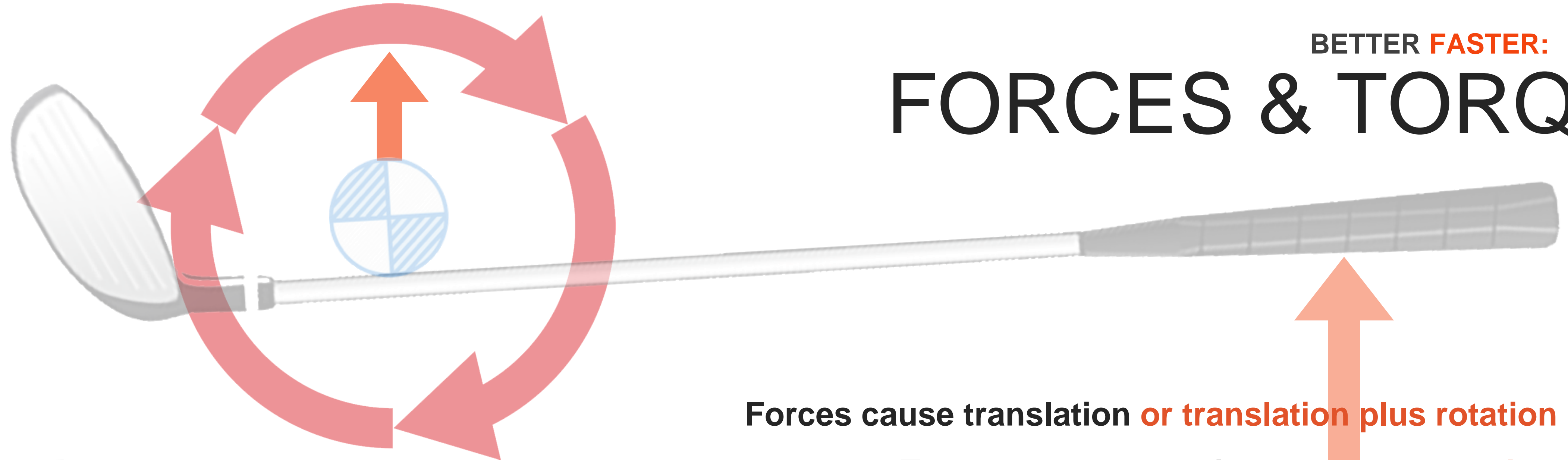


FORCE CAUSING TRANSLATION AND ROTATION

ANGULAR RESPONSE



BETTER FASTER: FORCES & TORQUE

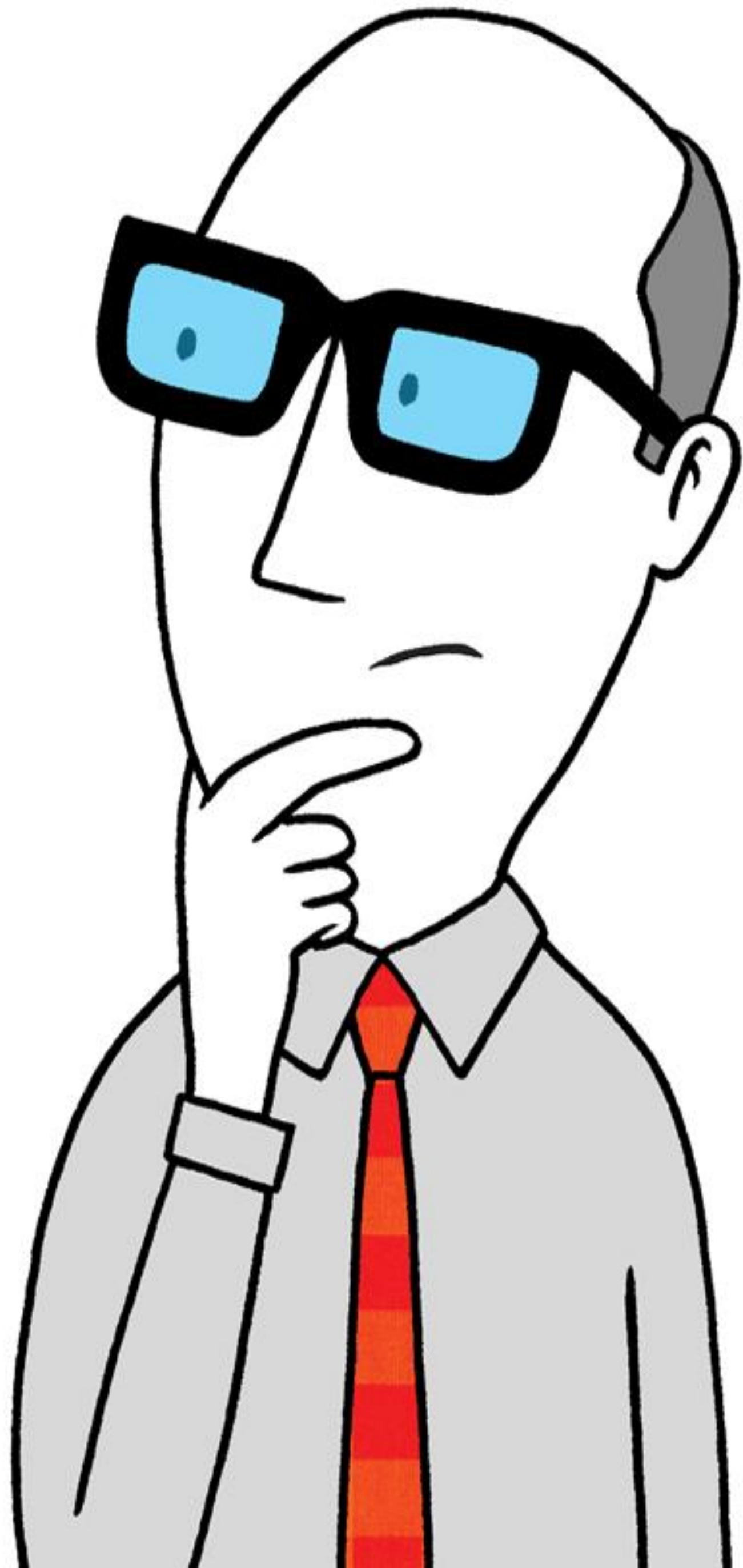


Forces cause translation **or translation plus rotation**

Torques cause rotation **or temper rotation**



**FORCE CAUSING TRANSLATION &
ROTATION
AND TORQUE TEMPERING THAT
ROTATION**



LOOKING AT OVERALL ROTATIONS

A different way to look at it





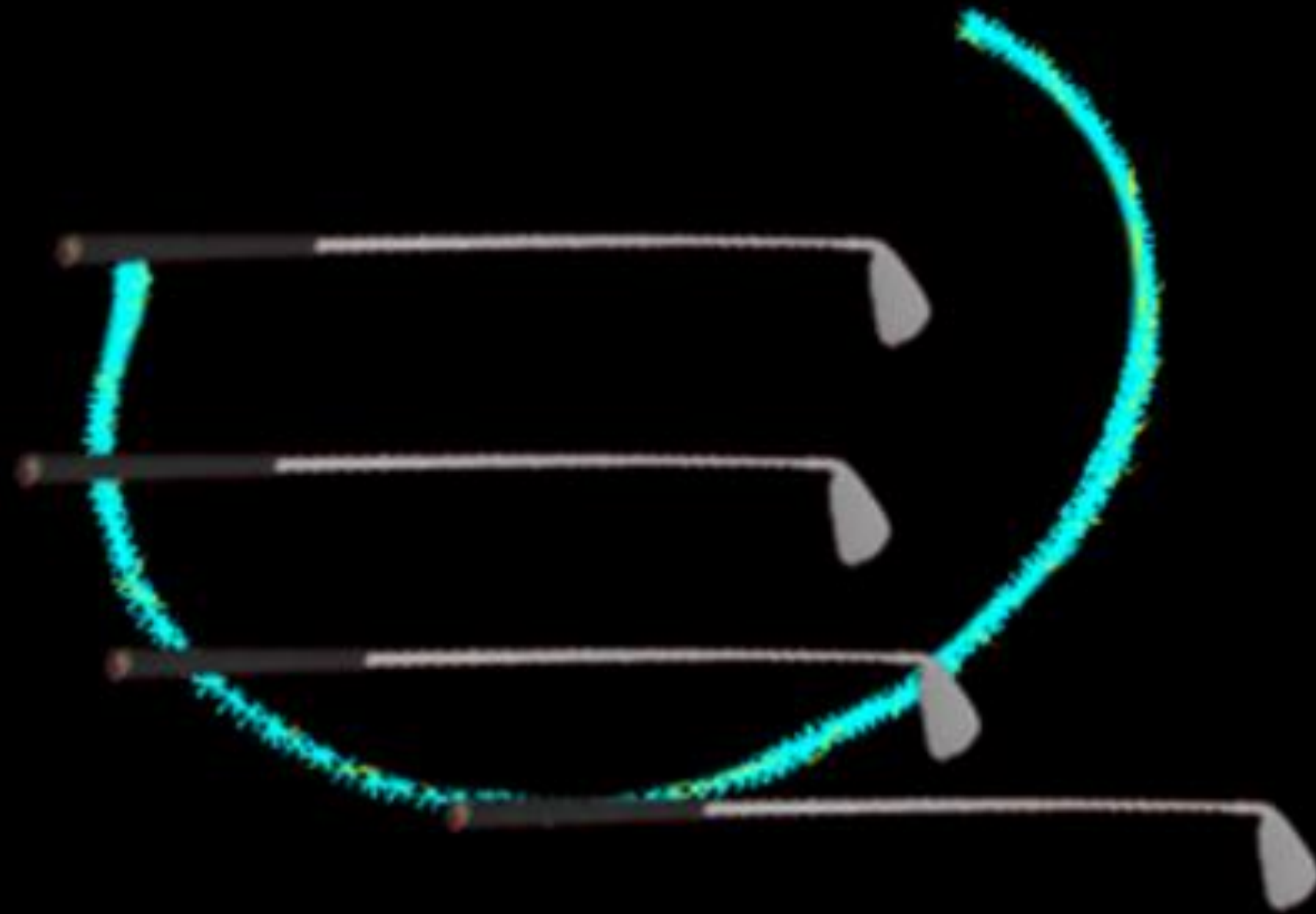
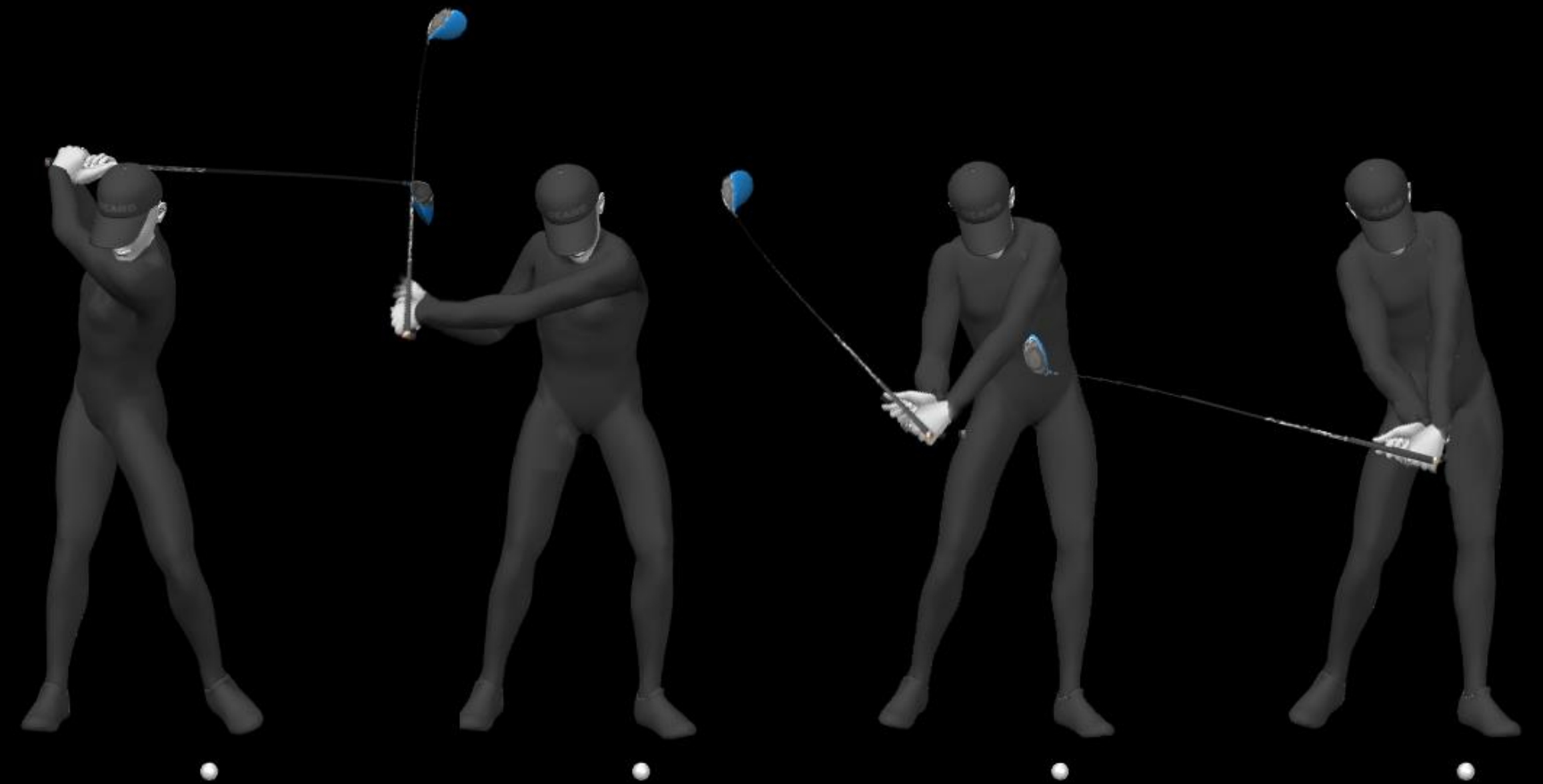
BETTER **FASTER:**

OVERALL ROTATION OF THE CLUB

Always there—rarely understood

BETTER **FASTER:**

ALONG THE HUB & ABOUT THE HUB

EXAGGERATED LINEAR ONLY**FROZEN WRIST ABOUT THE HUB**

BETTER FASTER:

ALONG THE HUB & ABOUT THE HUB



**PURE ROTATION
DOWN THE LINE
FROM THE TOP**



**PURE ROTATION
FACE ON
FROM THE TOP**



BETTER **FASTER:**

A DIFFERENT PERSPECTIVE

Frames of Reference tell a different story

Courtesy of GEARS golf



**MULTIPLE TIME
PGA TOUR WINNER
IRON SWING**

WHAT THE ARMS REALLY DO FROM THE TOP!



REGULAR DTL VIEW

BRIAN MANZELLA GOLF



**THE
MANZ**

TORSO PERSPECTIVE VIEW

5-TIME PGA TOUR
WINNER

**LOOKING DIRECTLY DOWN
THE VIRTUAL SPINE**

**Shoulder projection angle
rotation matched up**

**LAST MOVE INTO IMPACT
OF HANDS, ARMS, WRIST,
SHOULDER GIRDLE & HEAD**



BRIAN MANZELLA GOLF



**20+ PGA TOUR
WINNER**

**SHOWING
ARMS,
HANDS, CLUB,
SHOULDER
GIRDLE,
AND HEAD
ONLY**

**FROM
THE TOP
TO IMPACT**



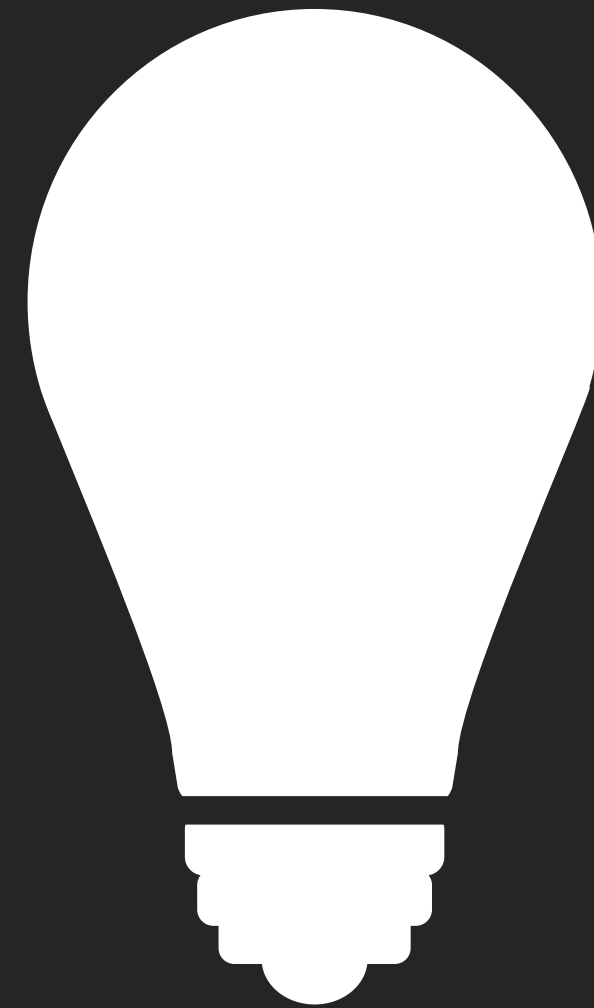
BRIAN MANZELLA GOLF



**THE
MANZ**



MANZELLA-ISMS



BETTER **FASTER:**

THE PULL BACK, RUN UP & JUMP!

My idea from Trackman number conundrum



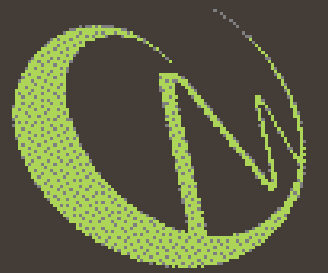
**BEN
HOGAN**

**PULL
BACK
RUN UP
& JUMP**

**PATH
OF THE
LEFT
SHOULDER**



BRIAN MANZELLA GOLF



**THE
MANZ**



**RORY
MCILLROY**

**THE PULL
BACK
RUN UP
& JUMP**

LEFT SHOULDER
PATH



BRIAN MANZELLA GOLF



**THE
MANZ**



**TOMMY
FLEETWOOD**

**PULL
BACK
RUN
UP**

**&
JUMP**



BRIAN MANZELLA GOLF



**THE
MANZ**

**RORY
MCILROY**

TRANSITION
**HIP
MOVE**

ADD TURN
BACK-IN
LOWER



BRIAN MANZELLA GOLF



**JACK
NICKLAUS**

LEFT SHOULDER

p a t h

VS.

HUB (MID-HANDS)

p a t h



BRIAN MANZELLA GOLF



**THE
MANZ**

BETTER **FASTER:**

HIPS

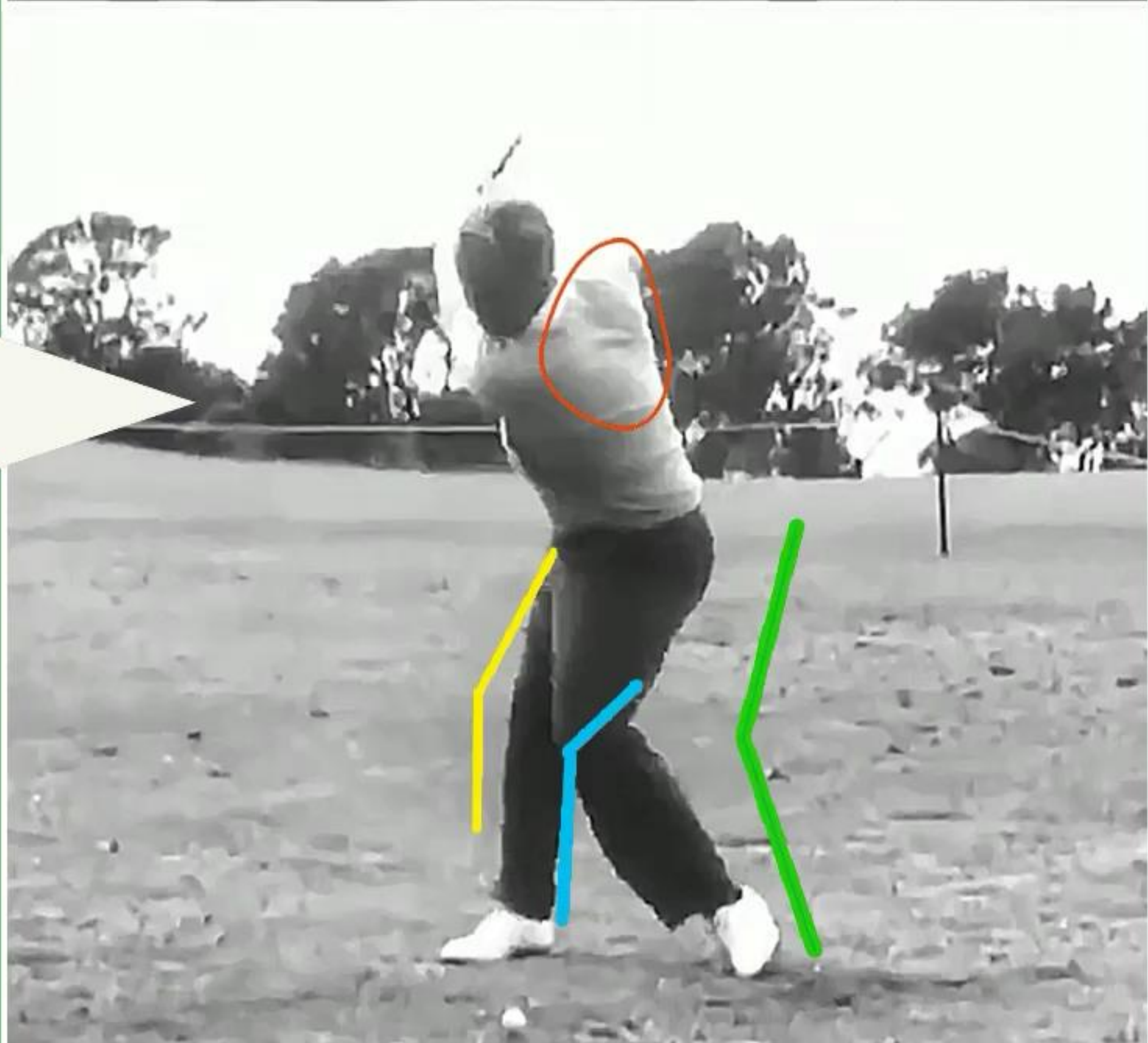
Very important joints



JACK NICKLAUS

INTO & OUT OF TRANSITION

ADDING FLEX
TO RIGHT LEG
**KEEPING RIGHT
SHOULDER CLOSED**
EXTERNAL
LEFT HIP ACTION



BRIAN MANZELLA GOLF



**THE
MANZ**

**ARNOLD
PALMER**

**UPPER
BODY
COVER
MOVE**

*INTERNAL
INTO
THE
LEFT HIP*



BRIAN MANZELLA GOLF



**THE
MANZ**



**ARNOLD
PALMER**

**RIGHT
LEG
STAYS
BACK**

**FROM
THE
TOP**



BRIAN MANZELLA GOLF



**JACK
NICKLAUS**

**LATE
BACKSWING**

**BACK-IN
MOVE
BEFORE
CLUB
REVERSAL**



BRIAN MANZELLA GOLF



**SHOULDERS
LEVEL**

**HANDS
BELOW WAIST**

CLUBHEAD UP



**THE
MANZ**



STENSON



ROSE



GARCIA



MCDOWELL



FOWLER



WOODS



MCILROY



O'GRADY



THE PULL BACK, RUN UP & JUMP

By the numbers



THE PULL BACK, RUN UP & JUMP

By the numbers



THE PULL BACK, RUN UP & JUMP

By the numbers

FIRST PART OF THE **JUMP** MEASUREMENTS



THE PULL BACK, RUN UP & JUMP

By the numbers



BETTER **FASTER:**

GRIPS

If they aren't important, I've wasted 37 years



90° TO THE CLUB

Often overlooked



HEEL PAD ON TOP

Cottage industry



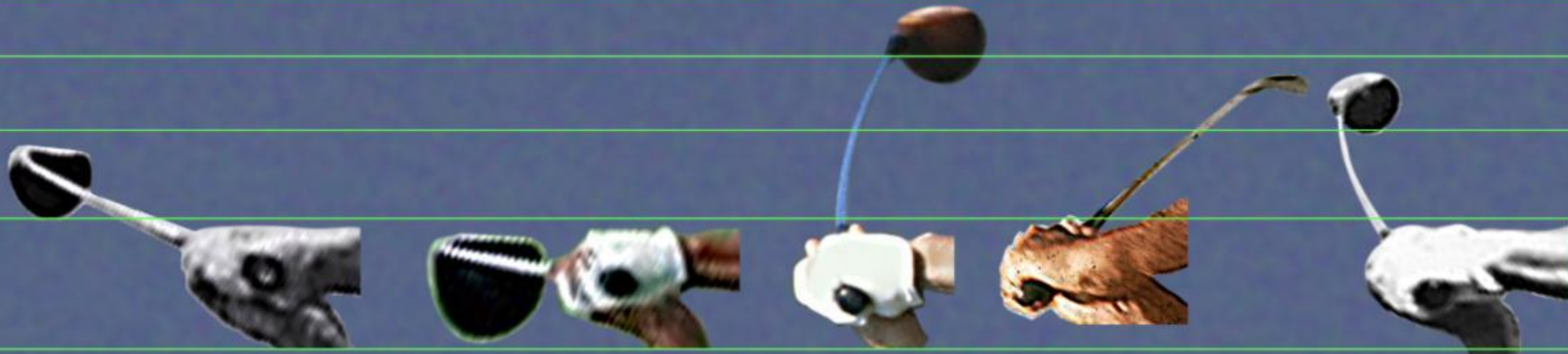
THE NEST

With a trigger finger



LEFT HAND ROTATED TO HORIZONTAL & CLUBFACE COMPARED

TOP 5 PGA TOUR WINNERS OF ALL-TIME



SNEAD • WOODS • NICKLAUS • HOGAN • PALMER



BRIAN MANZELLA GOLF

LEFT HAND ROTATED TO VERTICAL & CLUBFACE COMPARED

TOP 5 PLAYERS IN THE WORLD



BRIAN MANZELLA GOLF

KOEPKA

MCILROY

JOHNSON

ROSE

THOMAS



MYTH BUSTING



BETTER **FASTER:**

THE LAY-DOWN EPIDEMIC & THE LAID-OFF EPIDEMIC

Plus Pattern 13a & Pattern 13c





HOGAN • TREVINO • KUCHAR • MCCARRON



4 FLATTER FADERS *by*  **BRIAN MANZELLA GOLF**



**A LOT MORE
LOWERING
GOING ON THAN
SHALLOWING**

RORY MCILLROY



THE SOONER YOU
GET ON THE
**IMPACT
PLANE**
THE BETTER

BRIAN MANZELLA GOLF



**THE
MANZ**





**ARNOLD
PALMER**

POWERFUL

**NO
LAY
DOWN
DOWNSWING**



video
credit
golf.com

BRIAN MANZELLA GOLF



**THE
MANZ**



**C.T.
PAN**

**PGA
TOUR
WINNER**

**RIGHT
FOREARM
NEVER
UNDER**

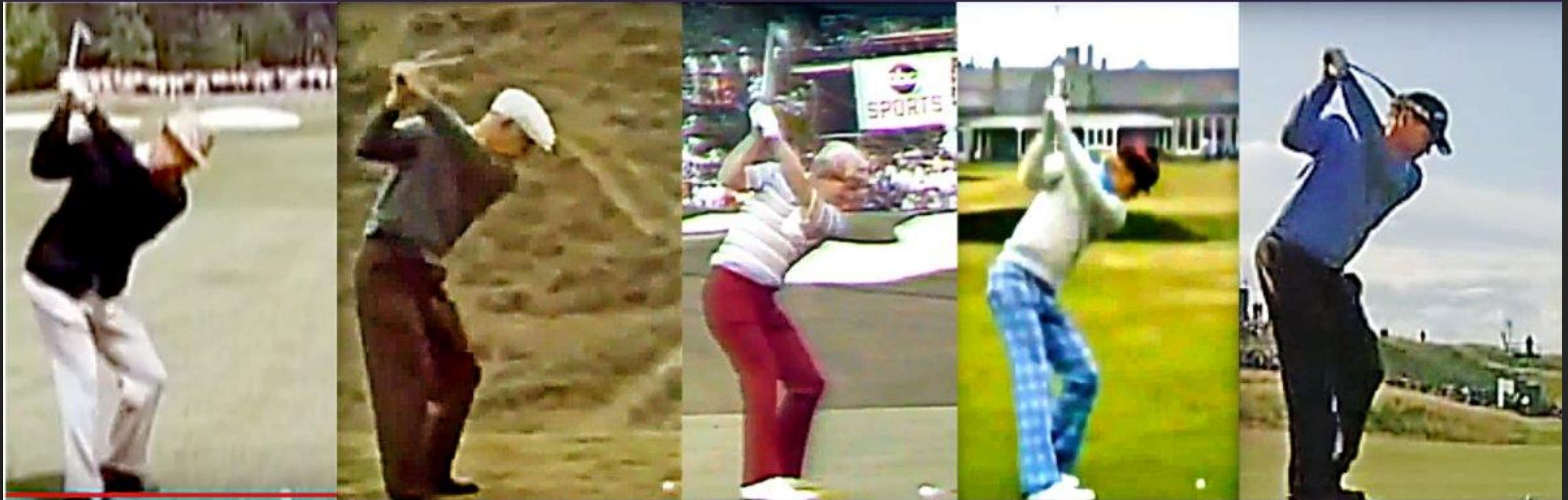


BRIAN MANZELLA GOLF



271 PGA TOUR WINS • 40 MAJOR VICTORIES

SNEAD NELSON NICKLAUS MILLER WATSON



NOT LAID OFF

by



BRIAN MANZELLA GOLF

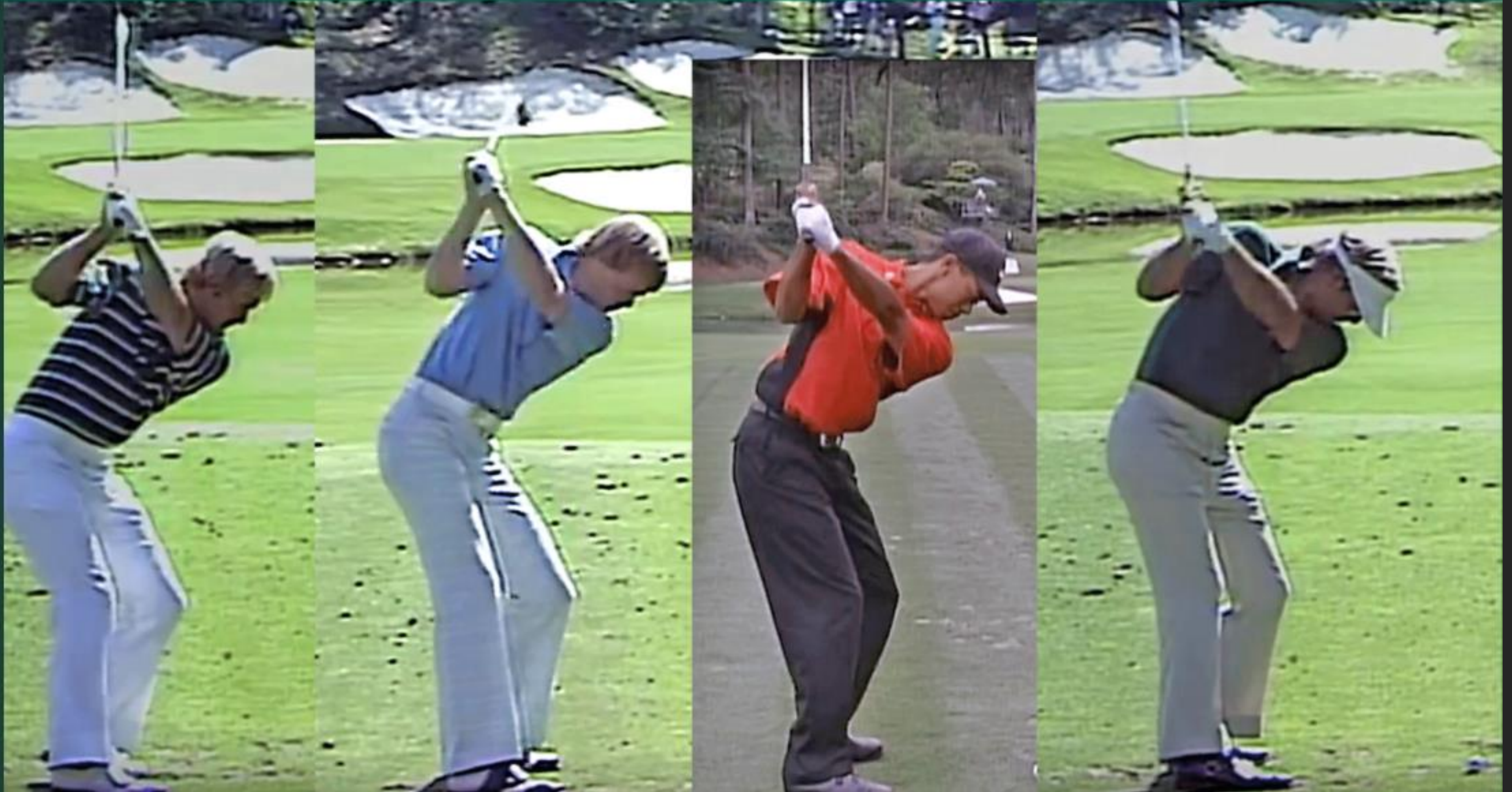


NICKLAUS MILLER **WOODS** PALMER

BRIAN MANZELLA GOLF



THE
MANZ



**EARLY
DOWNSWING**

**CLUB
LOCATION**

NOT EVERYONE
PLAYS BETTER
FLATTENING
EARLY



CRAIG PARRY



MARK CALCAVECCHIA



JERRY PATE



BRUCE LIETZKE



CRAIG STADLER



JACK NICKLAUS

BRIAN MANZELLA GOLF



**THE
MANZ**



THE AIRPLANE & THE PLANE

The truth is the truth



RORY MCILROY LANDING THE PLANE

Posted by Brian Manzella



BRIAN MANZELLA GOLF



**BRIAN
MANZELLA**

**PATTERN
13**

**VERSION A
VS.
VERSION C**



BRIAN MANZELLA GOLF





Al Geiberger

MR. 59

**IF YOU WANT TO
COPY A DOWNSWING
HERE'S YOUR
MAN**



BRIAN MANZELLA GOLF



**COLLIN
MORIKAWA**

**LOCATE
THE PLANE
LOWER
THE PLANE
INTO
IMPACT**



**MOSTLY
LOWERING**

Golf Swing



BRIAN MANZELLA GOLF

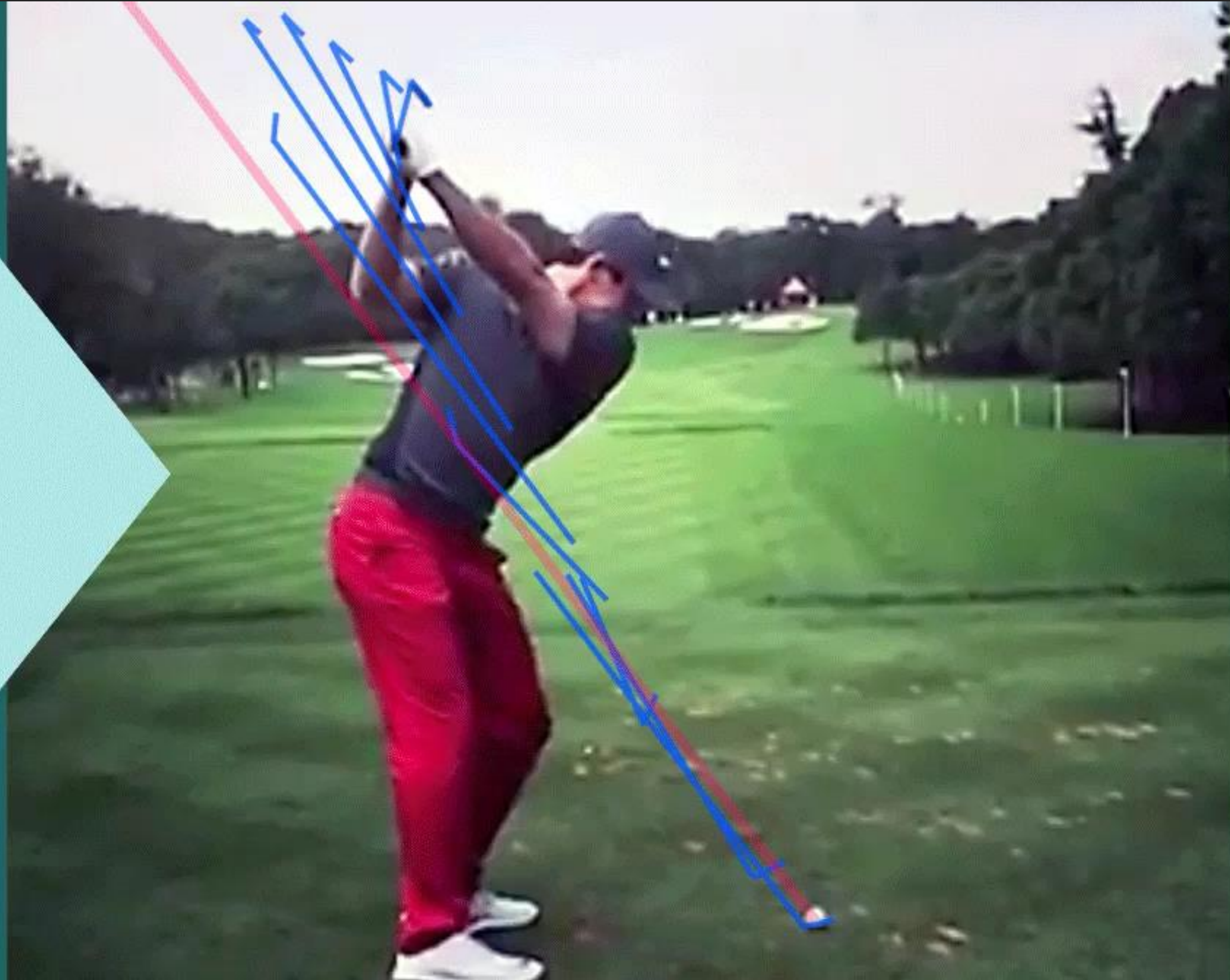


**THE
MANZ**

**RORY
MCILROY**

ORTHODOX
DOWNSWING
**PLANE
SHIFT**

**MOSTLY
LOWERING**



BRIAN MANZELLA GOLF



BROOKS KOEPKA

ROTATING THE CLUB END-OVER-END

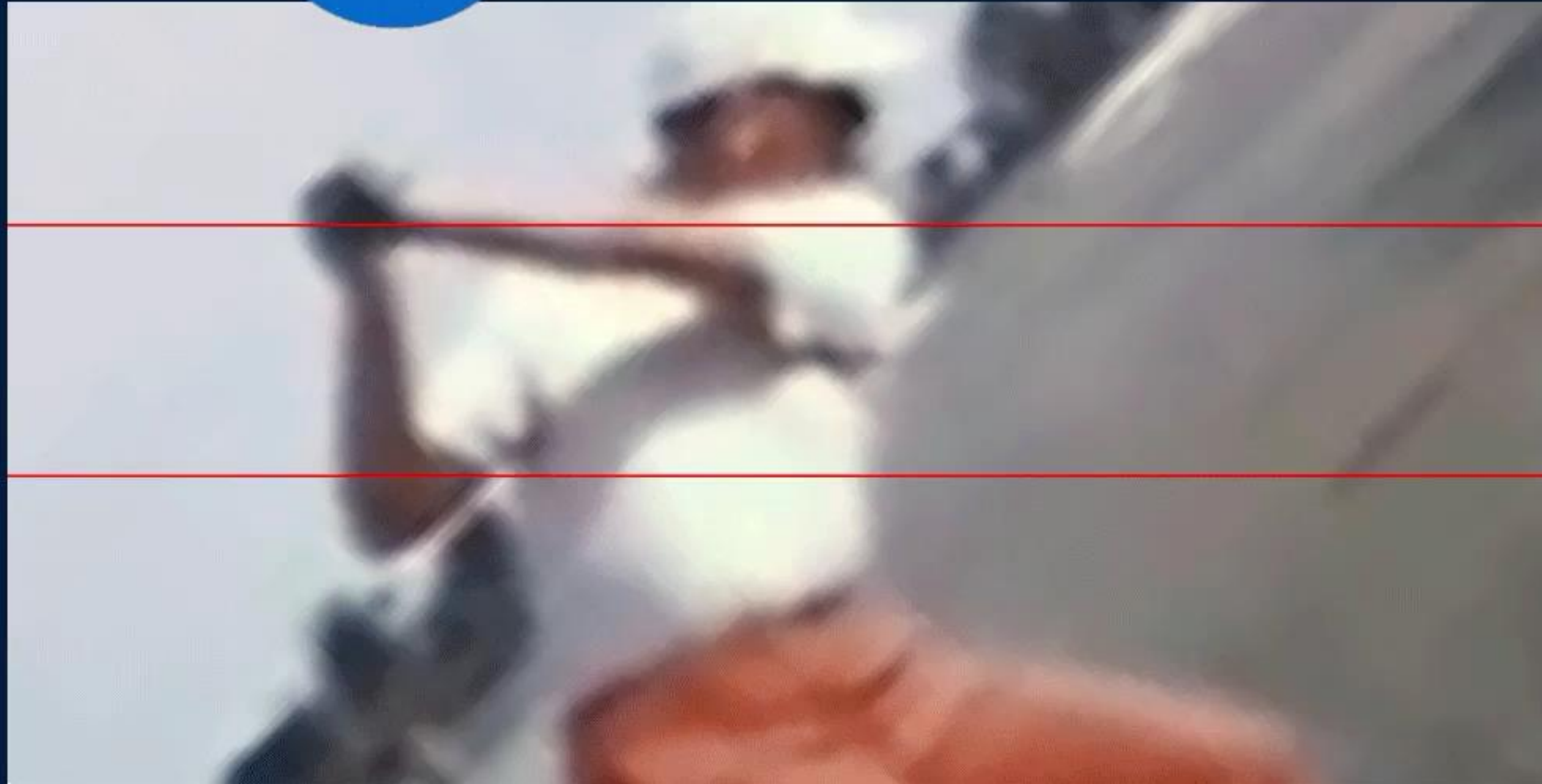


**BILLY
CASPER**

51
PGA TOUR
WINS

PLANE
VISUALIZATION

LOWERED NOT
PITCHED



BRIAN MANZELLA GOLF



BETTER **FASTER:**

MOVEMENT IS NOT ALWAYS BAD

2 short of a six-pack



**BROOKS
KOEPKA**

BACKSWING
**MOVE
AWAY**

**LEFT HIP
DISPLACEMENT
UPPER
BODY
ROTATION**



video credit

TRACKMAN
UNLEASH YOUR POTENTIAL

BRIAN MANZELLA GOLF



**LEFT
SIDE OF
HIPS**

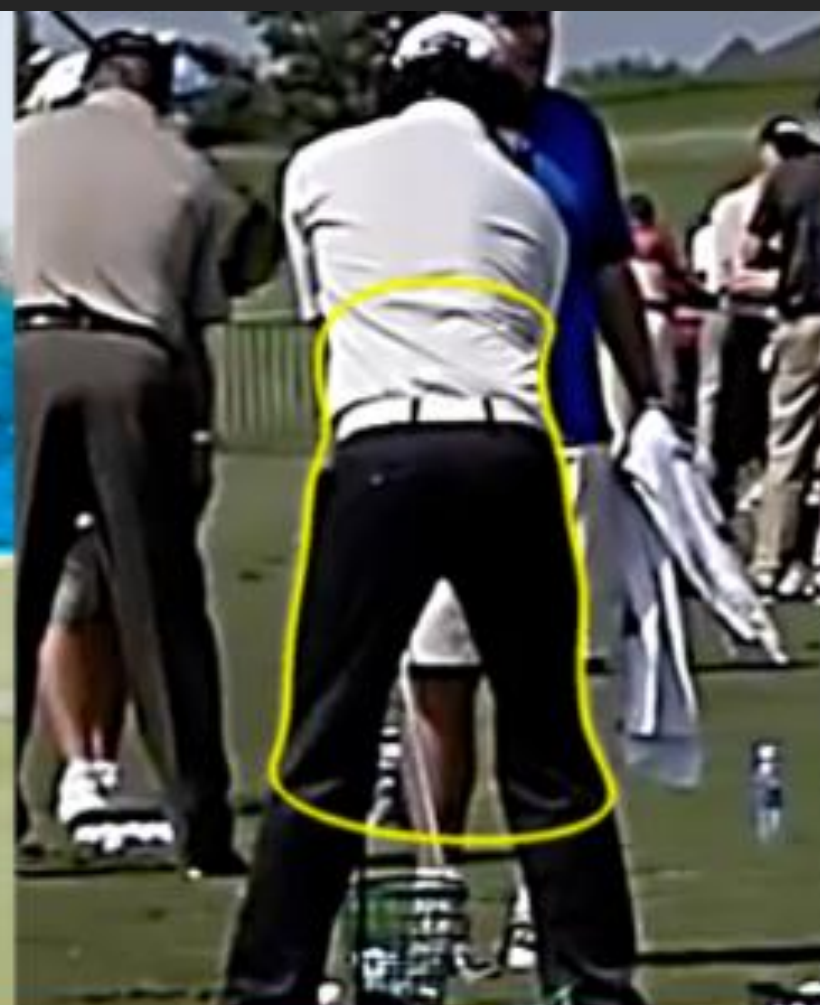
**MOVES
AWAY
FROM
TARGET
FROM
ADDRESS**



MOE



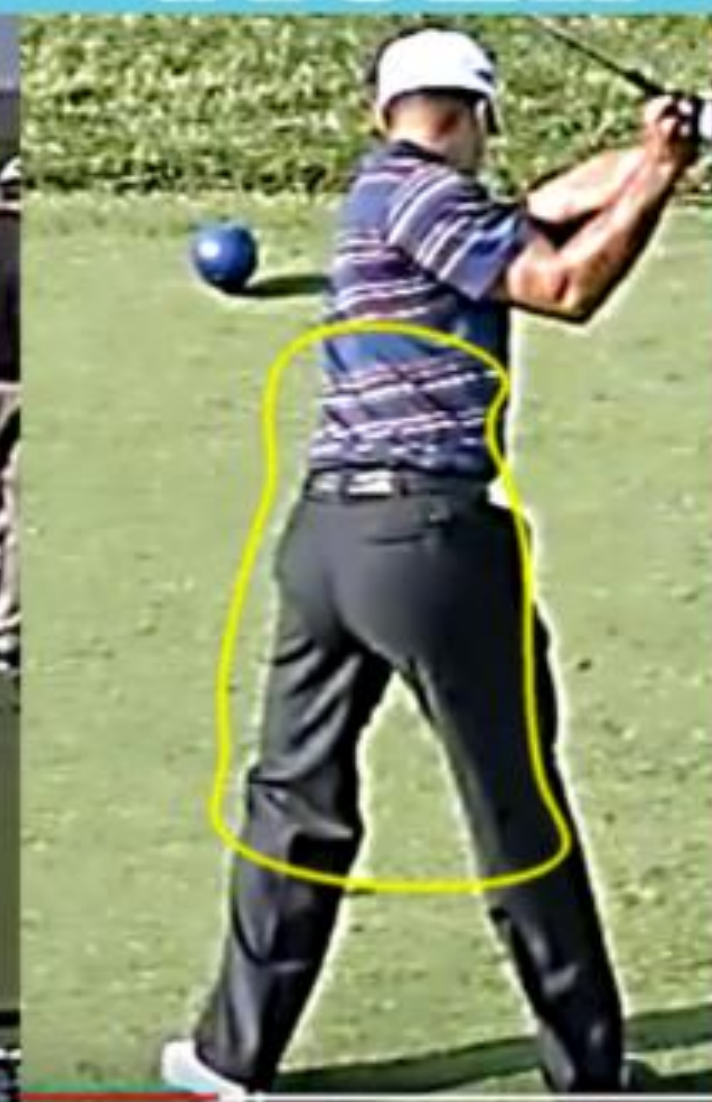
JACK



RORY



TIGER



BRIAN MANZELLA GOLF



**THE
MANZ**





**TOMMY
FLEETWOOD**

**DRIVER
BACKSWING
MOVEMENT**



**HIPS
DO NOT
MOVE
FORWARD**

**UPPER
TORSO
BEHIND
THE BALL**

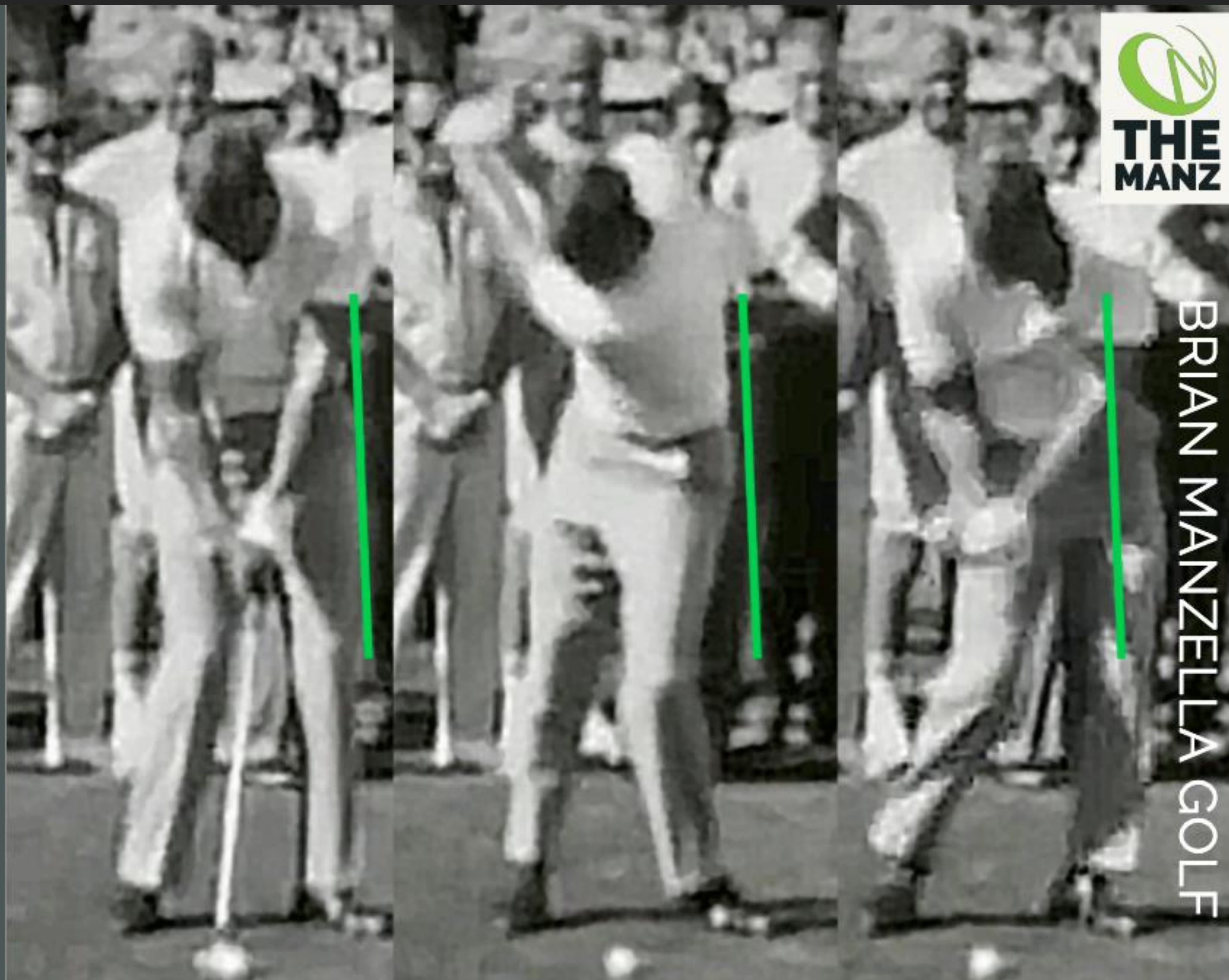
BRIAN MANZELLA GOLF



**ARNOLD
PALMER**

**DISPLACE
LEFT HIP
ON BACKSWING**

**SHIFT HIPS
A HALF
THIGH WIDTH
FORWARD
OF ADDRESS
BEFORE IMPACT**



BEN HOGAN

DIDN'T
OVER LAG IT



**THE
MANZ**

DIDN'T
OVER DRAG IT

BRIAN MANZELLA GOLF



BRIAN MANZELLA GOLF

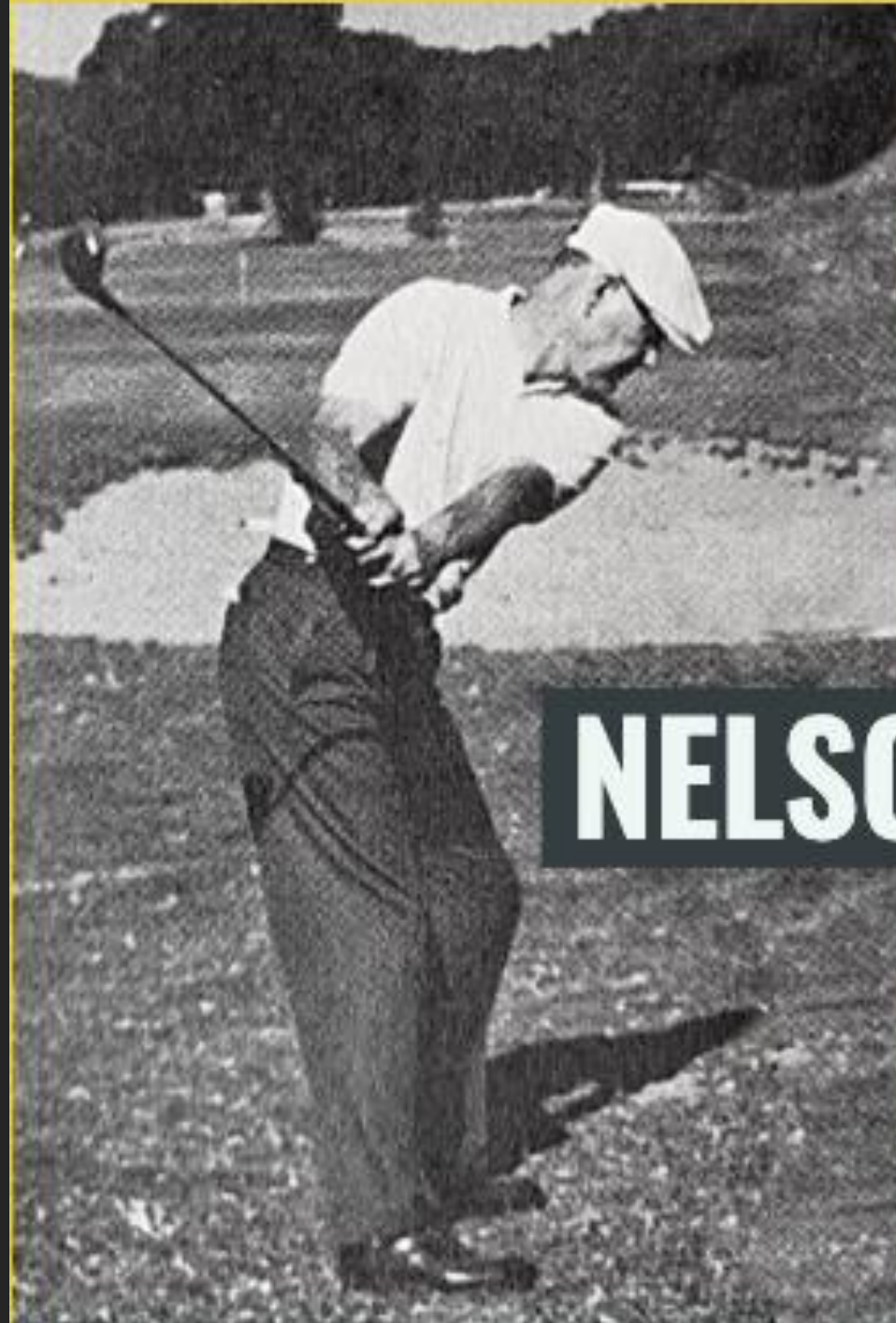
**GREG NORMAN****JACK NICKLAUS****SAM SNEAD****THE NO HANDLE DRAGGING ZONE**

BRIAN MANZELLA GOLF

**SERGIO GARCIA****A DIFFERENT
LOOK AT LAG****HOW
LONG YOU
LAG IT
IS SIMPLY
TIMING
THE THROW**

CLUBSHAFT THROUGH THE RIGHT FOREARM IN THE EARLY BACKSWING

4 HALL OF FAMERS



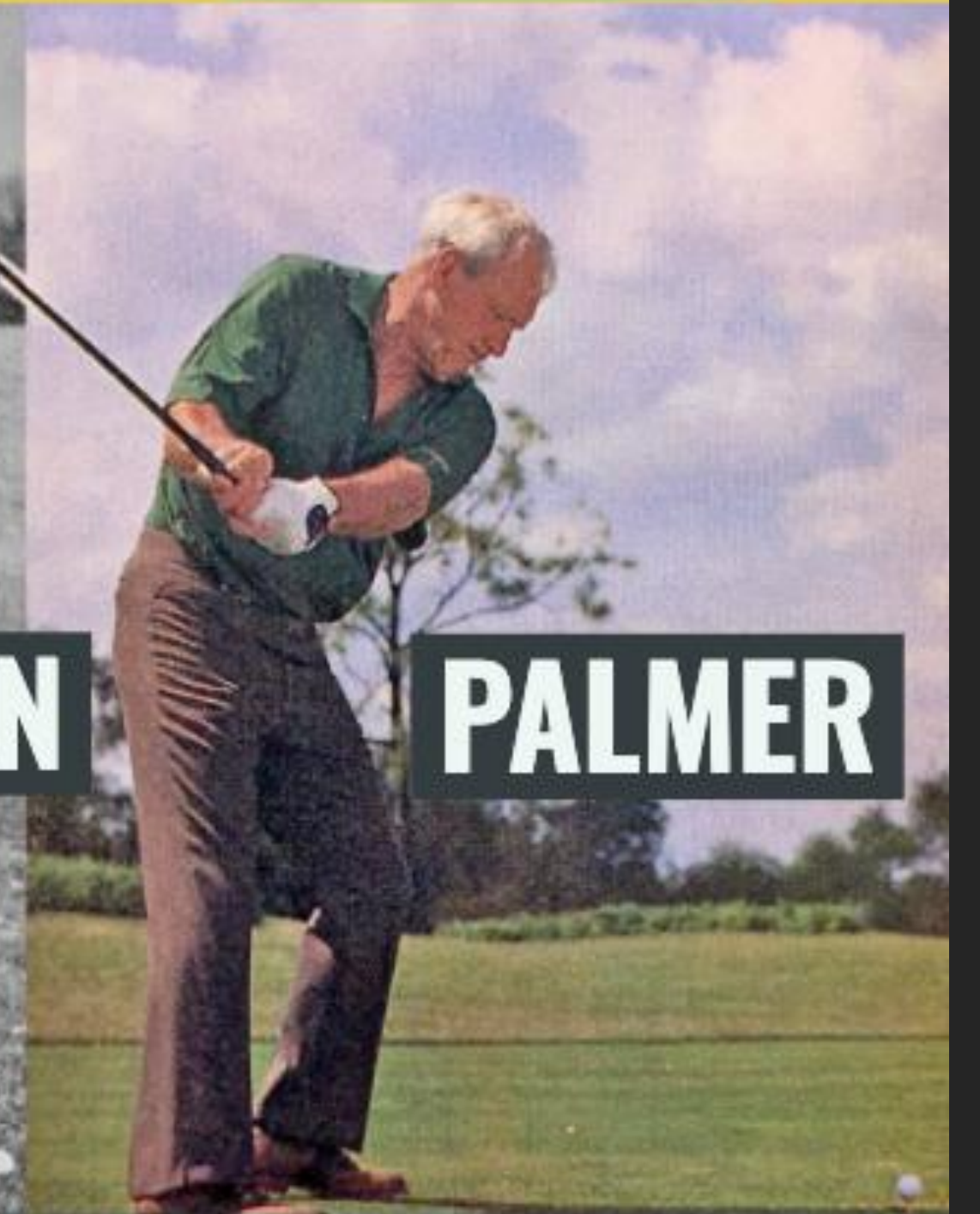
NELSON



SNEAD



HOGAN



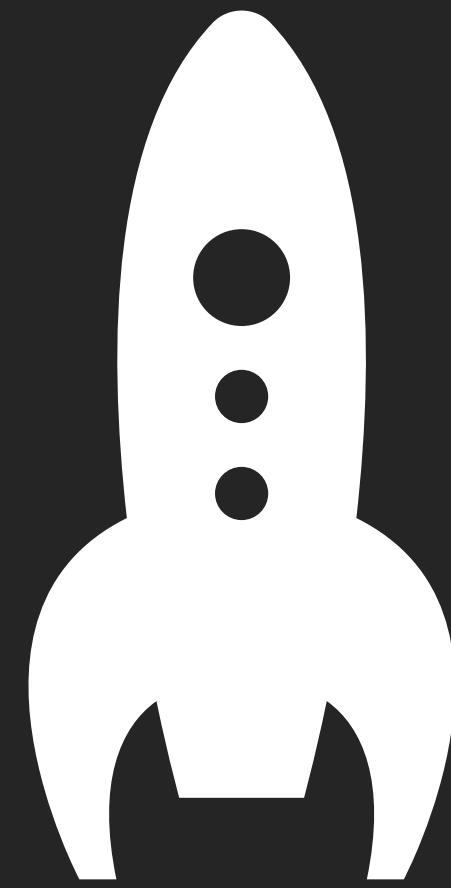
PALMER



BRIAN MANZELLA GOLF | **NEW ORLEANS**



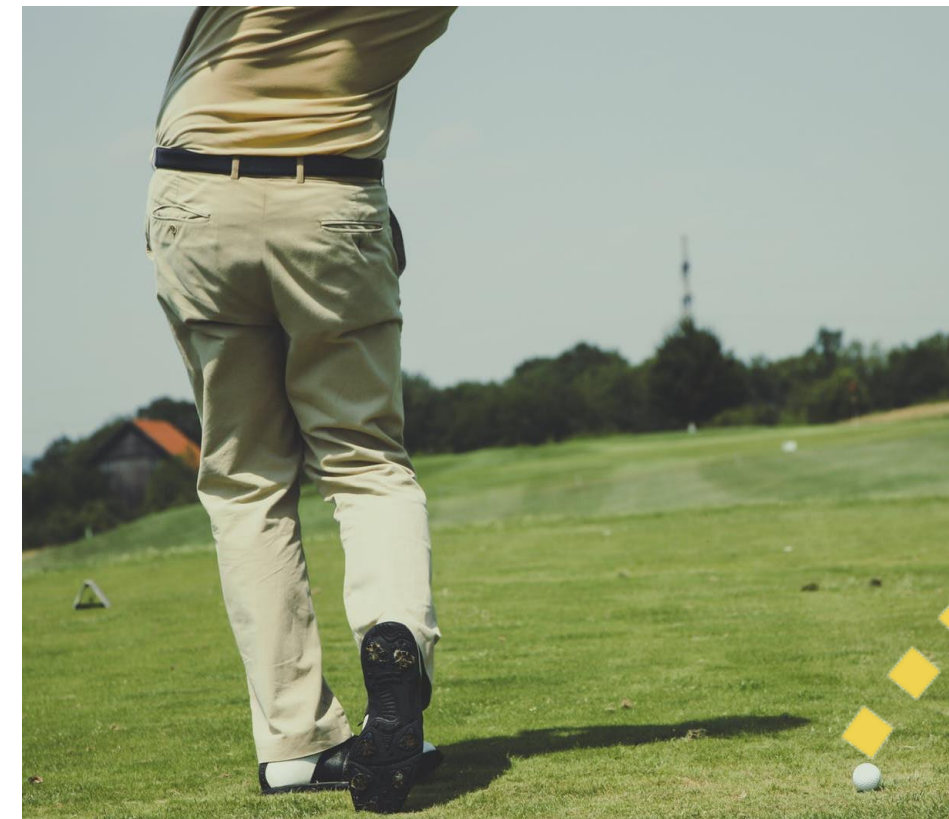
GETTING IN DONE IN THE REAL WORLD



FIX 'EM FIRST



SLICING
BREAD & BUTTER
IT'S THE FACE



SHANKING
NOT MYSTERIOUS
IT'S THE ANT



FLIPPING
BEHAVIOR
REWARDED
TAKE THE REWARD
AWAY



HOOKING
BELOW PLANE-ITS
MINI TOUR
SYNDROME



BRIAN MANZELLA GOLF

**THE
MANZ**

TRAIL FOOT POP

Frontal Plane Rotation



BETTER **FASTER:** NEGATIVE GAMMA TORQUE

Slowing down the un-reversible

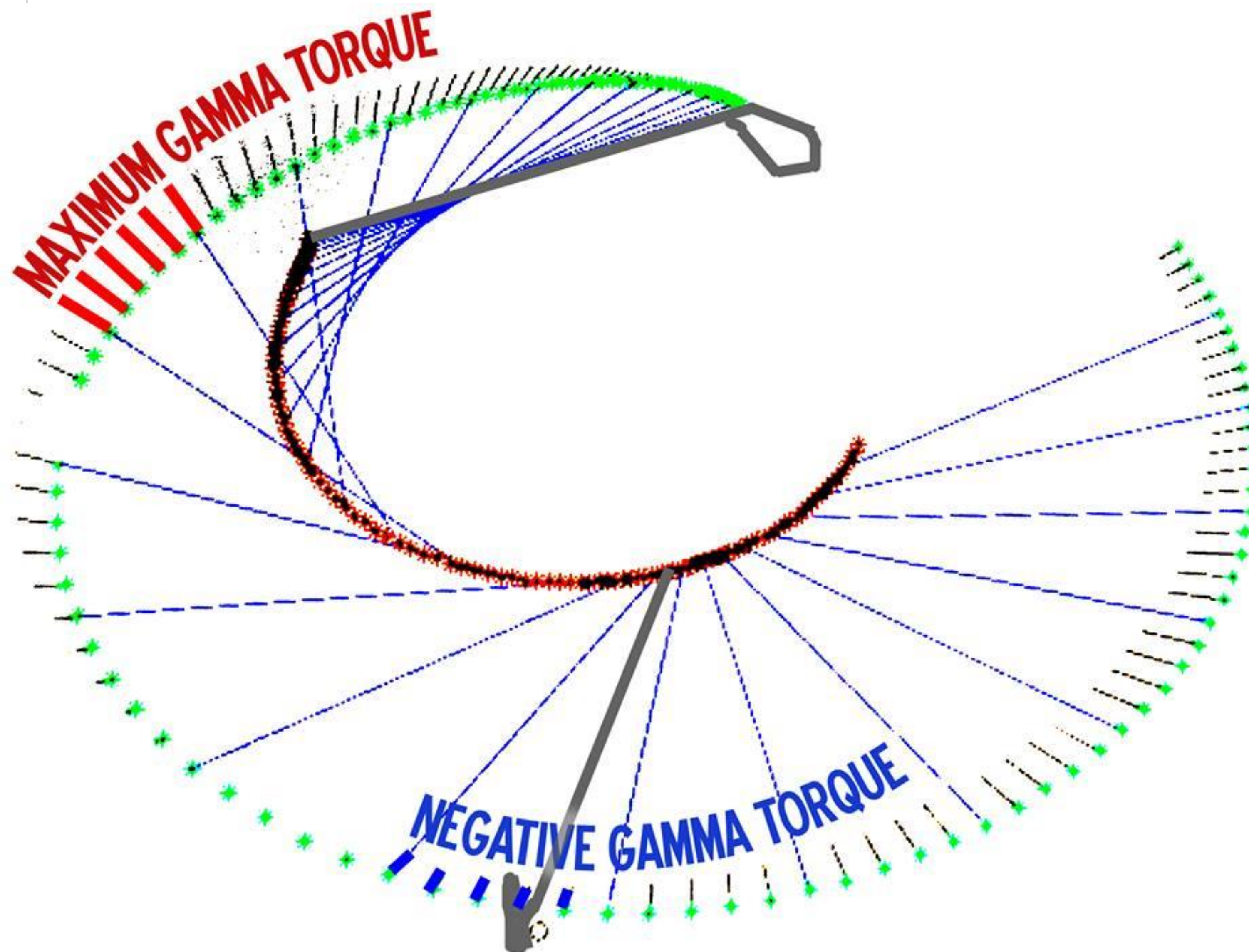
DRILLS: Drunk off the back,
Giving the business,
using the business



BETTER **FASTER:**

GAMMA TORQUE GRAPH

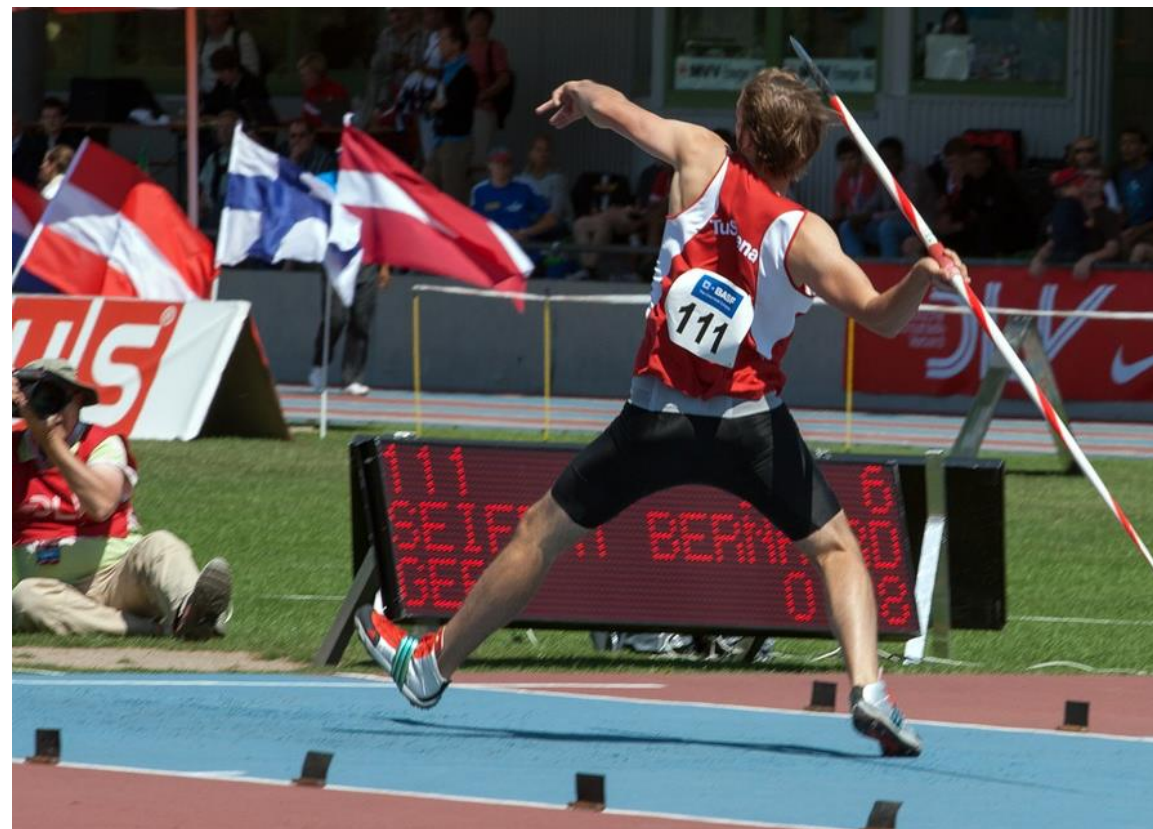
Multiple Major Winner



BETTER **FASTER:**

CHANGES OF DIRECTION AND COMBINATIONS

Javelin Throw



Tomahawk Throw



Football Throw



BETTER **FASTER:**

LEAD ARM SEQUENCING

TOP 100
LESSONS

The Blended Backswing

HOW TO FLEX, HINGE, ROLL, SWING
AND LIFT— AND SWING LIKE A PRO



BETTER **FASTER:**

TO AND THROUGH IMP
AND “LATE ALPHA”



BETTER **FASTER:**

SPIDERMAN (AND OTHER) LEFT HANDS AND THE SWIVEL



BETTER **FASTER:**

THE FINISH AIN'T NO Joke

Thanks Folks!

