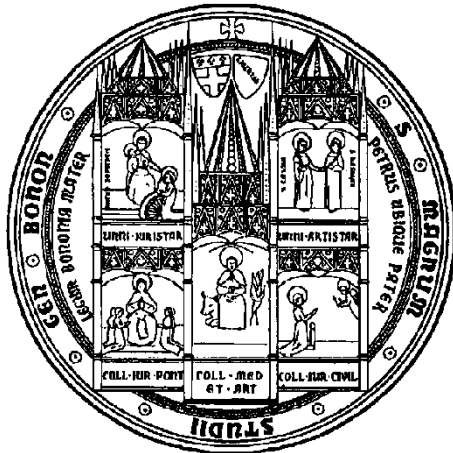


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Facoltà di Scienze Motorie

Bibliografia e ricerca scientifica nel tennistavolo



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Principali fonti

- **Riviste scientifiche**
- Proceedings dei congressi
- Libri di testo, manuali, ecc
- Riviste divulgative
- Materiale on-line
- Ecc.



la bibliografia nel tennistavolo

Articoli scientifici

Rodano R., Del Rossi D., Manoni A., Del Leva P., Mallozzi L., Carvelli E.	Cinematica del tennistavolo: applicazione di un sistema di elaborazione automatica dell'immagine televisiva ELITE allo studio della cinematica del tennistavolo	Scuola dello Sport	1991
Sheppard Alex and Francois Xavier Li	Expertise and the control of interception in table tennis	European Journal of Sport Sciences	2007
Ushiyama Y., Tamaki T., Hashimoto O. and Igarashi H.	Measuring the spin of the ball by digital image analysis	Science and Racket Sports III	2004
Wei Xie, Kong Chuan Teh and Zhi Feng Qin	Speed and spin of \varnothing 40 mm table tennis ball and effects on elite players	ISBS Conference	2002
Xiaopeng Z.	An experimental investigation into the influence of the speed and spin by balls of different diameters and weights	Science and Racket Sports II	1998
Yoichi I. et al.	Contributions of upper limb rotations to racket velocity in table tennis backhands against topspin and backspin	Journal of Sports Sciences	2008
Yoichi L., Takeji K.	Kinematics of table tennis topspin forehands: effects of performance level and ball spin	ISBS Conference	2008
Yoichi Lino and Takeji Kojima	Kinematics of table tennis forehands: effects of performance level and ball spin	Journal of Sports Sciences	2009
Yoshida K., Sugiyama K. And Seve C.	The technique used to receive a rotating ball in table tennis	Science and Racket Sports III	2004



la bibliografia nel tennistavolo

Articoli scientifici

Haifan Z., Yuqin S.	kinematics of forehand attack on accelerated loop techniques in table tennis- a case study	ISBS Conference	2008
Jing Wang, Jihe Zhou, Xiaofeng Li and Lingshan Li	Biomechanical kinetic analysis of serve techniques in table tennis for elite women player Yining Zhang	ISBS Conference	2008
K.T. Lee and W. Xie	Comparative studies between the techniques of Singapore and Thailand male elite table tennis players for SEA Games 2001	ISBS Conference	2004
Kasai J. and Mori T.	A qualitative 3D analysis of forehand strokes in table tennis	Science and Racket Sports II	1998
Kondric M., Medved V., Baca A., Kasovic M., Furjan-Mandic G. and Slantinsek U.	Kinematic analysis of top spin stroke with balls of two different sizes	Proceedings of the 10th ITTF Sport Science Congress	2007
Lees A.	An overview of the application of biomechanics to racket sports	Science and Racket Sports III	2004
Lees A.	Biomechanical of racket sports: developments and current status	Science and Racket Sports IV	2009
Lees Adrian	Science and the major racket sports: a review	Journal of Sport Sciences	2003



la bibliografia nel tennistavolo

Articoli scientifici

Malagoli Lanzoni I., Lobietti R.	A pilot study to compare footwork techniques used in Table tennis	Proceedings of The World Congress of Performance Analysis of Sport VIII	2008	Magdeburg, Germany	p. 58-62
Malagoli lanzoni I., Lobietti R. and Merni F.	Footwork in relationship with strokes and efficacy during the 29th Olympic games table tennis final	Journal of the 11° ITTF Sport Science Congress	2009	Yokohama, Japan	
Malagoli Lanzoni I., Lobietti R., Merni F.	Footwork techniques used in table tennis: a qualitative analysis	Proceedings of the 10th ITTF Sport Science Congress	2007	Zagreb, Croatia	p. 401-408
Malagoli Lanzoni I., Relatore: Prof.Merni F., Correlatore: Prof.Lobietti R.	Analisi tecnica del tennistavolo: gli spostamenti	Tesi di laurea	a.a. 2007/2008	Italy	



la bibliografia nel tennistavolo

LIBRI e MANUALI

MANUALI TECNICI

Deniso P., Fruscione P., Quintiliani M.	Tennistavolo, preparazione fisica, tecnica e didattica	Società stampa sportiva	Roma	1992
Tepper G.	ITTF level 1 coaching manual	ITTF	www.ittf.com	2003
Molodzoff P.	ITTF advanced coaching manual	ITTF		2008

Proceedings dei congressi ITTF Sport Science Commitee

Congress history

No.	Year	Date	Month	City (Nation)	WTTC
1	1989	23 – 27	March	Rome (Italy)	Dortmund (Germany)
2	1991	21 – 23	April	Fukaya (Japan)	Chiba (Japan)
3	1993	7 – 10	May	Falkenberg (Sweden)	Göteborg (Sweden)
4	1995	27 – 30	April	Beijing (China)	Tianjin (China)
5	1997	22 – 25	April	Lilleshall (UK)	Manchester (UK)
6	1999	18 – 19	February	Kuala Lumpur (Malaysia)	Kuala Lumpur (Malaysia)
7	2001	21 – 23	April	Osaka (Japan)	Osaka (Japan)
8	2003	17 – 19	May	Paris (France)	Paris (France)
9	2005	28 – 30	April	Shanghai (China)	Shanghai (China)
10	2007	18 – 20	May	Zagreb (Croatia)	Zagreb (Croatia)
11	2009	25 – 27	April	Yokohama (Japan)	Yokohama (Japan)

12. ROTTERDAM (Olanda): 12 th Sport Science Congress
5-6-7 maggio 2011



2011 WTTC
ROTTERDAM
08 - 15 MAY



la bibliografia nel tennistavolo

Proceedings dei congressi

ITTF Sport Science Commitee

A.Lees, I.Maynard, M.Hughes & T.Reilly (Eds.)	Science and Racket Sports II	London: E & FN Spon	1998
A.Lees, J.-F. Kahn and I.Maynard	Science and Racket Sports III	Routledge	2004
A.Lees, D.Cabello and G.Torres	Science and Racket Sports IV	Routledge	2009
Kondric M.	Proceedings of the 10th ITTF Sport Science Congress (Zagreb, Croatia)	ITTF	2007
In stampa	Journal of the 11th ITTF Sport Science Congress (Yokohama, Japan)	ITTF	2009



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Proceedings dei congressi

ITTF Sport Science Commitee

A.Lees, I.Maynard, M.Hughes & T.Reilly (Eds.)	Science and Racket Sports II	London: E & FN Spon	1998
A.Lees, J.-F. Kahn and I.Maynard	Science and Racket Sports III	Routledge	2004
A.Lees, D.Cabello and G.Torres	Science and Racket Sports IV	Routledge	2009
Kondric M.	Proceedings of the 10th ITTF Sport Science Congress (Zagreb, Croatia)	ITTF	2007
ITTF	International Journal of table tennis Sciences n°6 (Yokohama, Japan)	ITTF	2010

Riviste divulgative (per appassionati e tecnici)



Materiale on-line:



ETTU - European Table Tennis Union - Windows Internet Explorer

http://www.ettu.org/ettuMag.php

File Modifica Visualizza Preferiti Strumenti ?

Google Effettua la ricerca Condividi Controllo Traduci Compilazione automatica Entra

AVG Search Page Status News

Outlook Web App Katamail - ivanmalagoli@... Tennistavolo Villa D'Oro -... Sports Science Congress ... ETTU - European Tabl... X

Pagina Sicurezza Strumenti

The official European Table Tennis Union website - HOME - Search - Help - Site Map - Contact

ABOUT ETTU, NEWS, CALENDAR, RANKINGS, EVENTS, MARKETING, DEVELOPMENT, TT4ALL,

Table Tennis Technical Review **MAG** Last update 2010.03.15

ETTU WEB TV CHANNEL

Champions League Semifinals April 15 & 16 LIVE and FREE on ETTU TV

2011 European Youth Championships

European Youth Championships KAZAN 2011 July 19th-25th

2011 European Veterans Championships

EVTTCC 2011 LIBEREC

Motor speed has to be trained by method

Do you know there is a latin term for table tennis? "Ludus pilae mensalis". Some assumptions about motor speed in sports were tested by means of arms movements in table tennis. German coaches Association offering an interesting analysis on this subject...

Quick actions during German Cup Final Four (Photo Roscher)

* Youth and Development activities, click here

More Subjects

- TT new generation : smaller and bigger problems of Europe (2010-10-25)
- J. GRYCAN: training techniques based on Chinese model (2010-08-02)
- Multiskills: advices to become an all around player (2010-04-20)

andro TIBHAR

start Skype™ [2] - Ivan... ETTU - European T... lezioni RIMINI FOTO TENNISTAV... Microsoft PowerPoi... McAfee Security Scan IT 10.44

Materiale on-line:

www.butterfly-world.com

The screenshot shows the Butterfly website interface. At the top, there is a navigation bar with the Butterfly logo and menu items: Products, Info, Service, and Contact. On the right side of the navigation bar, there is a 'Notepad empty!' indicator and flags for Germany, United Kingdom, France, Japan, and China. On the left side, there is a sidebar menu with categories: Advisor, Coaches Corner, Videos, Magazine subscription, Sponsoring, Product support, Butterfly News archives, and Kartenvorverkauf. The main content area features an article titled 'Jun Mizutani's high forehand service with a sudden change of direction'. The article includes a list of links in the left sidebar, a detailed text description of the starting phase of the serve, and a series of four photographs showing the player in various stages of the serve.

Butterfly Products Info Service Contact

Notepad empty!

Germany United Kingdom France Japan China

Advisor
Coaches Corner
Videos
Magazine subscription
Sponsoring
Product support
Butterfly News archives
Kartenvorverkauf

Jun Mizutani: Forehand service

- Jun opens the game – part 2
- Jun opens the game – part 3
- Sayaka Hirano: Forehand topspin from leaning back
- Boll opens the game – part 1
- Backhand flip
- Zhang Jike - Backhand topspin above the table
- Zhang Jike's forehand reverse serve
- Basics with Werner Schlager
- Ryu Seung Min's forehand "jump" topspin
- Basics with R. Praise - Service

Jun Mizutani's high forehand service with a sudden change of direction

Jun Mizutani is known as the Japanese player who might make it into the top 10 of the World Ranking List. At the moment he is ranked number 29. The brilliant technician Jun has also developed his very own service variety. He belongs to those who throw up the ball far above their heads and execute some surprising arm movements. The picture series in front of us gives us one example.

Starting phase: Pictures 1-6: Jun is standing beside the table with his back sideways towards his opponent (**picture 1**). His right upper leg seems to touch the edge of the table. His feet are parallel about shoulder wide apart. The ball has left the hand already and can't be seen on the picture. Jun's eyes follow the ball which is about one to two metres high. His bat is in front of his body. While he is taking the arm, which has thrown up the ball, down (**picture 2**), his other arm draws a semi-circle with the bat in the direction of the right hip. Like most top players he has taken his fingers away from the grip for a forehand serve. He holds the bat between his index finger and thumb to enable better wrist movement and speed. On **picture 3** we can see that the arm which has thrown up the ball is down to shoulder height. The bat has reached the end of the backswing to the right.

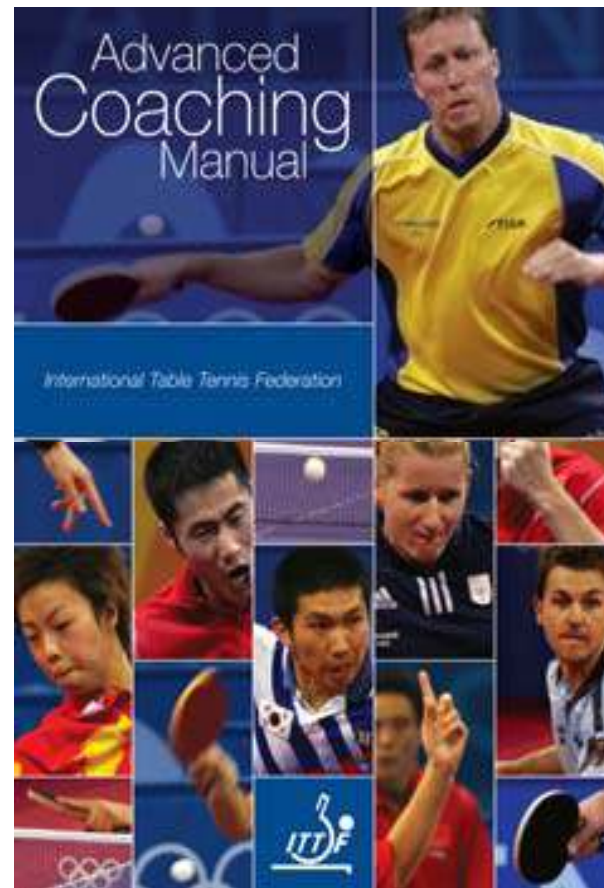
Pictures 4-6: Jun is now pulling the bat fast in the opposite direction (dotted line hinted at on **picture 3**) and takes it to the end of the backswing (**picture 5**). On **picture 4** we can also

The four photographs show the following stages of the serve:
1. Starting phase: Jun is standing with his back to the side, right leg touching the table edge, and the ball is high in the air.
2. The right arm is moving down, and the left arm is swinging back with the bat.
3. The right arm is down to shoulder height, and the bat is at the end of its backswing.
4. The bat is being pulled forward rapidly towards the table.

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ARGOMENTI TRATTATI

- Manuali tecnici
- Medicina ed infortunistica
- Fisiologia
- Psicologia
- Percezione
- Selezione
- Allenamento
- Materiali
- Analisi delle partite
- Biomeccanica
- Rewiev
- Nutrizione
- Ecc...





la bibliografia nel tennistavolo

Articoli scientifici

review					
Lees Adrian	Science and the major racket sports: a review	Journal of Sport Sciences	2003	Vol. 21	p. 707-732
biomechanics					
Xie Wei, Kong Chuan Teh, Zhi Feng Qin	Speed and spin of 40mm table tennis ball and the effects on elite players	ISBS Conference	2002	Caceres, Spain	P. 623-626
Yoichi I. at al.	Contributions of upper limb rotations to racket velocity in table tennis backhands against topspin and backspin	Journal of Sports Sciences	2008	Vol. 26 (3)	p. 287-293
health and injuries					
Laure P. and Hosy J.	Do? Clean? Glues used in table tennis present health hazards?	Science and Sports	1998	vol 13 (5)	p. 230-232
Kahn Jean Francois	Prevention of injuries and cardiovascular events in veteran table tennis players	Proceedings of the IV World Congress of Science and Racket Sport	2006	Madrid, Spain	



la bibliografia nel tennistavolo

Articoli scientifici

physiology					
Zagatto A. M., Papoti M. and Gobatto C. A.	Anaerobic capacity may not be determined by critical power model in elite table tennis players	Journal of Sport Sciences and medicine	2008	Vol. 7	p. 54-59
psychology					
Seve C., Ria L., Poizat G., Saury J. And Durand M.	Performance-induced experienced during high-stakes table tennis matches	Psychology of sport and exercise	2007	Vol. 8	p. 25-46
perception					
Ripoll H.	Uncertainty and visual strategies in table tennis	Perceptual and motor skills	1989	vol. 68	p. 507-512
Sheppard Alex and Francois Xavier Li	Expertise and the control of interception in table tennis	European Journal of Sport Sciences	2007	Vol. 7 (4)	p. 213-222
materials					
Peng C.Y., Chen J.L. and Shiang T.Y.	The study of a new designed table tennis racket for training strike accuracy	Journal of biomechanics	2006	vol. 39 (1)	



TENNISTAVOLO



Yoichi I. et al.,

Contributions of upper limb rotations to racket velocity in table tennis backhands against topspin and backspin,

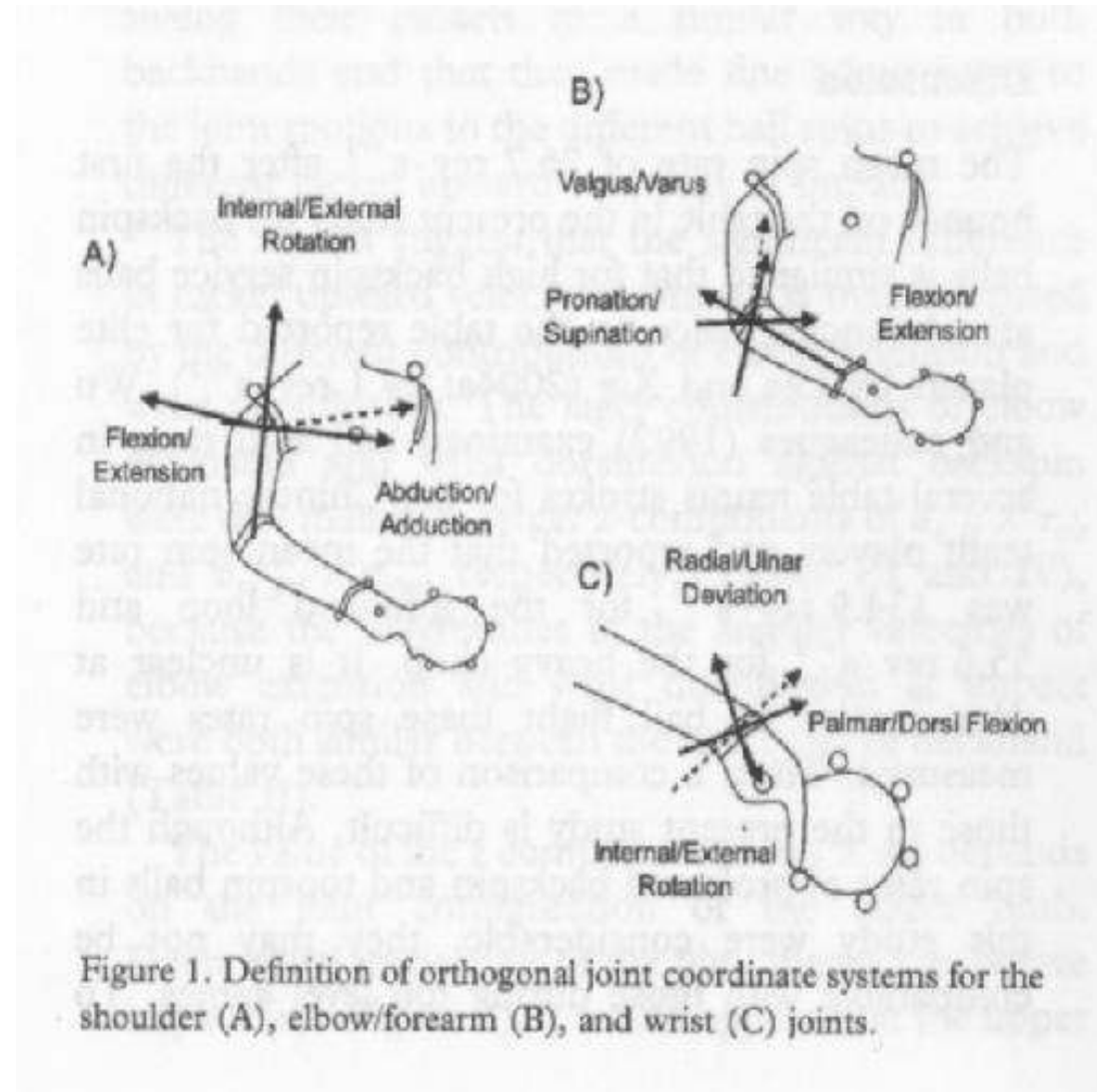
Journal of Sports Sciences, 2008, Vol. 26 (3), p. 287-293

- Soggetti: 11 atleti maschi esperti

- 14 markers

- 3 telecamere:
2 (100 fps) e 1 (500 fps)

- Confronto fra due colpi:
topspin e backspin





Yoichi I. et al.,
Journal of Sports Sciences,
2008, Vol. 26 (3),
p. 287-293

Variabili:

(spalla, braccio, gomito, avambraccio,
Polso, mano e racchetta)

- Angoli
- Velocità lineari
- Velocità angolari

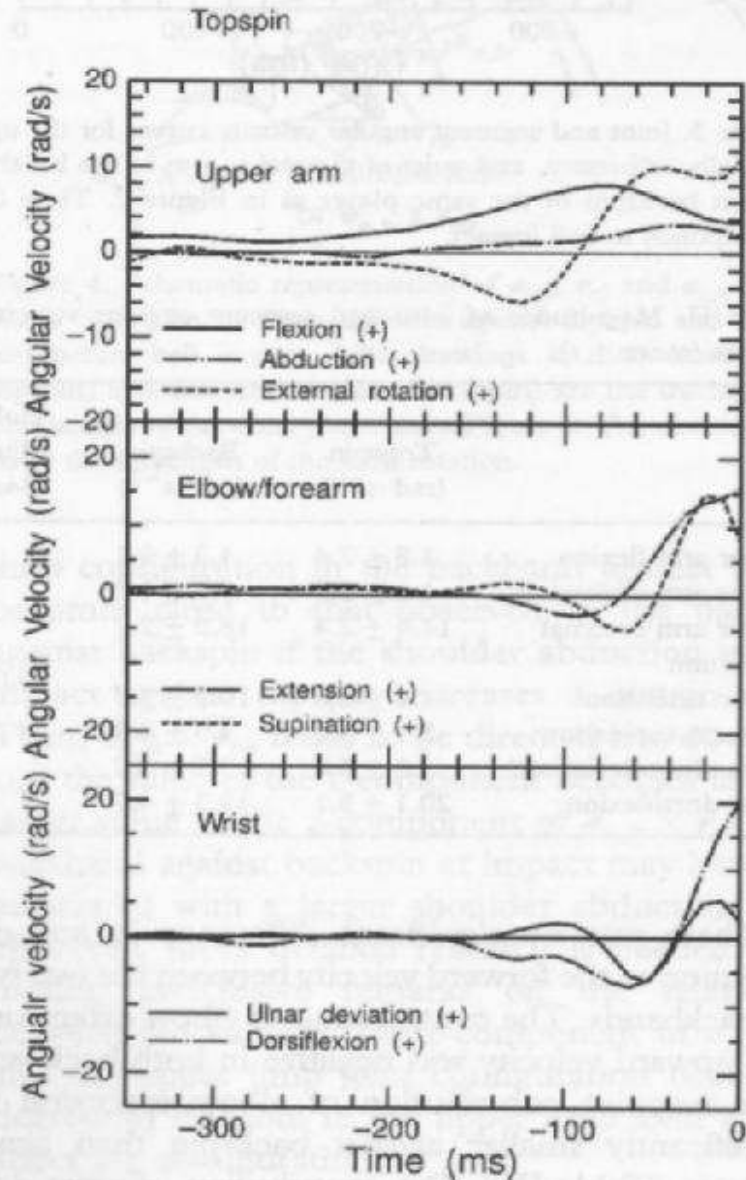


Figure 2. Joint and segment angular velocity curves for the upper arm, elbow/forearm, and wrist of the racket arm in the backhand against topspin of an international player. Time 0 ms corresponds to ball impact.

Ushiyama Y., Tamaki T., Hashimoto O. and Igarashi H.,
Measuring the spin of the ball by digital image analysis,
Science and Racket Sports III, 2004, pp. 129-133

- Soggetti:
2 atlete donne
- Confronto fra due atlete di
differente livello tecnico
(1 esperta e 1 principiante)
- Markers: simboli disegnati
random sulla pallina
- 1 Telecamera (analisi
bidimensionale): 500 fps
- 4 Lampade alogene

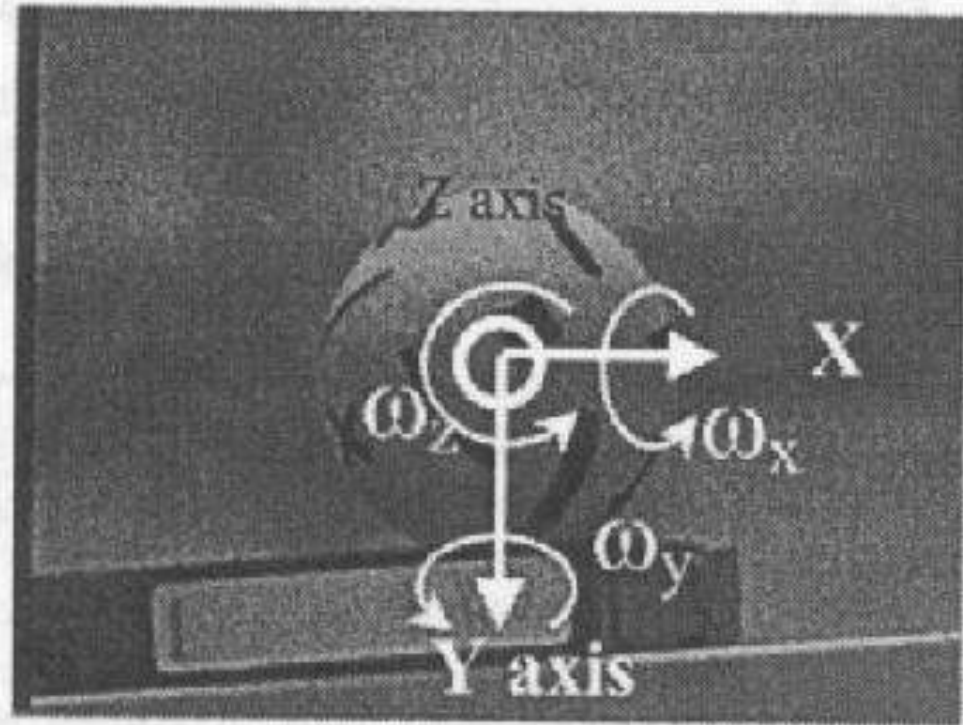


Figure 5. Variables measured.



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GRAZIE!

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