



[Mechanical Engineering](#) > FUJITA Katsuhide



FUJITA Katsuhide

Organization	Mechanical Engineering
Position	Professor
Academic Title	Doctor(Engineering)
Research Fields	Mechanical Dynamics

<< Research Subjects >>

1. [Vibration Characteristics of an Agricultural Tire\(Vibration Analysis, Parameter Identification\)](#)
2. [Vibration Characteristics of an Agricultural Vehicle \(Vibration Analysis, Movement Control\)](#)
3. [Unstable Vibration of Roller Mills](#)

<< Academic Activities >>

Papers and Notes

1. [Katsuhide FUJITA, Takashi SAITO, Mitsugu KANEKO : "Study on dynamice characteristics of a rolling agricultural tire \(Improvement of running condition\)", Transactions of the JSME \(in Japanese\), Vol.80, No.812 \(2014\)](#)
2. [Katsuhide FUJITA, Takashi SAITO, Mitsugu KANEKO : "Influence of Vibration Characteristics on Dynamic Behavior of Rolling Agricultural Tires", Journal of JSAM \(in Japanese\), Vol.37, No.1, pp.45-50 \(2011\)](#)
3. [Katsuhide FUJITA, Takashi SAITO, Mitsugu KANEKO : "Parameter Identification of an Agricultural Tire Considering Tire Lugs", Transaction of the JSME \(in Japanese\), Vol.73, No.733, pp.2479-2484 \(2007\)](#)
4. [Katsuhide FUJITA, Takashi SAITO : "Unstable vibration of roller mills", Journal of Sound and Vibration, Vol.297, pp.329-350\(2006\)](#)
5. [Hideaki OKAZAKI, Katsuhide FUJITA, Hiroaki HONDA, Hideo NAKANO:"Rigorous Verification of Poincaré Map Generated by a Continuous Piece-Wise Linear Vector Field and Its Application", IEICE TRANSACTIONS on Fundamentals, Vol.E88-A, No.4, pp.810-817 \(2005\)](#)

Presentations

1. [Katsuhide Fujita, Takashi Saito, Mitsugu Kaneko : "Experimental Research on Dynamic Characteristics of a Rolling Agricultural Tire \(Influence of Running Condition\)", Proceedings of ASME International Mechanical Engineering Congress and Exposition 2013, IMECE2013-62736, San Diego\(USA\), Nov.15-21\(2013\)](#)
2. [Katsuhide Fujita, Takashi Saito, Toru Yamazaki : "Experimental Study on Dynamic Behavior of a Rolling Agricultural Tire", Proceedings of ASME International Mechanical Engineering Congress and Exposition 2012, IMECE2012-85917, Houston\(USA\), Nov.9-15\(2012\)](#)
3. [Yoshifumi Mori, Takashi Saito, Katsuhide Fujita, Takehisa Aoki : "Research on Fluctuating Forces Occurred in Components of Reciprocating Hydrogen Compressors", Proceedings of ASME International Mechanical Engineering Congress and Exposition 2012, IMECE2012-86554, Houston\(USA\), Nov.9-15\(2012\)](#)
4. [Katsuhide FUJITA, Takashi SAITO, Mitsugu KANEKO: "Influence of Vibration Characteristics on Dynamic Behavior of Rolling Agricultural Tires", Proceedings of The 14th Asia-Pacific Vibration Conference, Vol.4, pp.1945-1953, Hong Kong, Dec.5-8 \(2011\)](#)
5. [Mori Yoshifumi, Aoki Takehisa, Fujita Katsuhide, Saito Takashi: "Dynamic Analysis of Crosshead-cylinder System in Reciprocating Compressors", Proceedings of the 3rd International Symposium on Digital Manufacturing, pp.119-124, Kitakyushu\(Japan\), Nov.29-Dec.2\(2011\)](#)
6. [Katsuhide Fujita, Takashi Saito, Mitsugu Kaneko:"Influence of Patch Boundary Condition on the Vibration Characteristic of an Agricultural Tire", Proceedings of IMECE2008, Boston\(USA\), Oct.31-Nov.6\(2008\)](#)
7. [Katsuhide Fujita, Shunsuke Miyoshi, Takashi Saito, Mitsugu Kaneko:"Parameter Identification of an Agricultural Tire Considering Tire Lugs", Program and Abstract Book of 15th International Congress on Sound and Vibration, p.220,](#)

- [Daejeon\(Korea\), Jul. 6-10 \(2008\)](#)
8. [K Fujita, T Saito, T Hidaka:"Dynamic Characteristics of Roller Mills", Proceedings of the Asia-Pacific Vibration Conference '95 , No.2, pp.543-548, Kuala Lumpur\(Malaysia\), Nov.27-Dec.1 \(1995\)](#)