

เอกสารอ้างอิง

- [1] Methven, T.J., Fairhead, B. "A correlation between rain erosion of perspex specimens in flight and on a ground rig". *Wear* 2 (6), 498 (1959)
- [2] Methven, T.J., Fairhead, B. "A correlation between rain erosion of perspex specimens in flight and on ground rig". *Wear* 3 (6), 485 (1960)
- [3] King, R.B. "Rain erosion IV An assessment of various materials". *Wear* 4 (4), 328 (1961)
- [4] Springer, G.S. "Erosion by liquid impact". Wiley, New York (1976)
- [5] Adler, W.F., Hooker S.V. "Rain erosion mechanisms in brittle materials". *Wear* 50 (1), 11-38 (1978)
- [6] Zwaag, V.D., Field, J.E. "Rain erosion damage in brittle materials". *Eng Fracture Mech* 17 (4), 367-379 (1983)
- [7] Adler, W.F. "Waterdrop impact modeling". *Wear* 186-187, 341-351 (1995)
- [8] Westmark, C., Lawless, G.W. "A discussion of rain erosion testing at the United States Air Force rain erosion test facility". *Wear* 186-187 (2), 384-387 (1995)
- [9] Lesser, M., Field, J. "Studies in shock waves, liquid impact, jets and cavitation". *Proc 1st ISSW In: Takayama, K., (ed.), 61-72 (1991)*
- [10] Bourne, N.K., Field; J.E. "A high-speed photographic study of cavitation damage". *J App Physics* 78, 4423-4427 (1995)
- [11] Bowden, F.P. Field, J.E. "The brittle fracture of solids by liquid-impact, by solid impact, and by shock". *Proc Royal Soc London* 282, 331-352 (1964)
- [12] Reichman, J.M., Cheung, J.B. "An oscillating water jet deep-kerfing technique". *Int J Rock mech. Min. Sci. & Geomech.* 15, 135-144 (1978)
- [13] Vijay, M.M., Brierley, W.H. "Cutting cleaning and fragmentation of materials with high pressure liquid jets". *Proc 1st U.S. water jet conference*, 272-288 (1981)
- [14] Kobayashi, R., Arai, T., Yamada, H. "Structure of a high-speed water jet and the damage process of metals in jet cutting technology". *JSME Int J Series B* 31, 53-57 (1988)
- [15] Shi, H.H., Dear, J.P. "Oblique High-speed liquid-solid impact". *JSME Int J Series I* 35 (1992)
- [16] Shi, H.H., Field, J.E., Pickles, C.S.J. "High speed liquid impact onto wetted solid surfaces". *J Fluids Eng* 116, 345-348 (1994)

- [17] Yamauchi, Y., Soyama, H., Adachi, Y., Sato, K., Shindo, T., Oba, R., Oshima, R., Yamabe, M. "Suitable region of high-speed submerged water jets for cutting and peening". *JSME Int J Series B* 38, 31–38 (1995)
- [18] Lesser, M. "Thirty years of liquid impact research: a tutorial review". *Wear* 186-187, 28–34 (1995)
- [19] Obara, T., Bourne, N.K., Field, J.E. "Liquid-jet impact on liquid and solid surfaces". *Wear* 186-187 (2), 388-394 (1995)
- [20] Shi, H.H., Takayama, K., Nagayasu, N. "The Measurement of impact pressure and solid surface response in liquid-solid impact up to hypersonic range". *Wear* 186-187, 352-359 (1995)
- [21] Nakahira, T., Komori, M., Nishida, N., Tsujimura, K. "A study of shock wave generation around high pressure fuel spray in a diesel engine". *Proc 2nd ISSW In: Takayama, K., (ed.), 1271–1276 (1991)*
- [22] Shi, H.H., Takayama, K., Onodera, O. "Supersonic diesel fuel injection through a single-hole nozzle in a compact gas gun (part 2)", *JSME Int J Series B* 37 (3), 509-516 (1994)
- [23] Akiyama, H., Nishimura, H., Ibaraki, Y., Iida, N. "Study of diesel spray combustion and ignition using high-pressure fuel injection and a micro-hole nozzle with a rapid compression machine: improvement of combustion using low cetane number fuel". *JSAE Review* 19, 319–327 (1998)
- [24] Lee, S., Tanaka, D., Kusaka, J., Daisho, Y. "Effects of diesel fuel characteristics on spray and combustion in a diesel engine". *JSAE Review* 23 (4), 407-414 (2002)
- [25] Shimotani, K., Oikawa, K., Horada, O. Kagawa, Y. "Characteristics of gasoline in-cylinder direct injection engine". *JSAE Review* 17 (3), 267-272 (1996)
- [26] Kamura, H., Takada, K. "Development of in-cylinder gasoline direct injection engine". *JSAE Review* 19 (2), 175-180 (1998)
- [27] Alle, J., Hargrave, G. "Fundamental study of in-nozzle fluid flow and its effect on liquid jet break-up in Gasoline Direct injectors". *ILASS Europ 2000, I4.2-I4.5 (2000)*
- [28] Lee, K.H., Lee, C.H., Lee, C.S. "An experimental study on the spray behavior and fuel distribution of GDI injectors using the entropy analysis and PIV method". *Fuel* 83 (7-8), 971-980 (2004)
- [29] Billig, F. S. "Research on supersonic combustion". *J Propulsion and Power* 9 (4), 499–514 (1993)

- [30] Ferri, A. “Review of problems in application of supersonic combustion”. *J Royal Aero Soc* 68, 575–597 (1964)
- [31] Rubins, P.M. “Review of shock-induced supersonic combustion research and hypersonic applications”. *J Propulsion and Power* 10 (5), 593–601 (1994)
- [32] Adelberg, M. “Breakup rate and penetration of a liquid jet in a gas stream”. *AIAA J* 5 (8), 1408–1415 (1967)
- [33] Catton, I., Hill, D.E., McRae, R.P. “Study of liquid jets penetration in a hypersonic stream”. *AIAA J* 6 (11), 2084–2089 (1968)
- [34] Kolpin, M.A., Horn, K.P., Reichenbach, R.E. “Study of penetration of a liquid injection into a supersonic flow”. *AIAA J* 6 (5), 853–858 (1968)
- [35] Horn, K.P., Reichenbach, R.E. “Further experiments on spreading References 205 of liquids injected into a supersonic flow”. *AIAA J* 7 (2), 358–359 (1969)
- [36] Edelman, R.B., Schmotolocha, S., Slutsky, S. “Combustion of liquid hydrocarbons in a high-speed air stream”. *AIAA J* 9 (7), 1357–1364 (1971)
- [37] Bowden, F.P., Brunton, J.H. “Damage to solids by liquid impact at supersonics speeds”. *Nature* 181, 873-875 (1958)
- [38] Bowden, F.P., Brunton, J.H. “The deformation of solids by liquid impact at supersonic speeds”. *Proc Royal Society London* 263 (series A), 433–450 (1961)
- [39] Matthujak A., Hosseini S. H. R., Takayama K., Sun M. and Voinovich P. “High speed jet formation by impact acceleration method”, *Shock Waves* 16:405-419,2007
- [40] Ohki, T., Nakagawa, A., Tominaga, T., Takayama, K. “Experimental application of Pulsed Ho: YAG laser-induced liquid jet as a novel device for rigid neuroendoscope”. *Laser Surg Med* 34, 227 (2004),
- [41] Nakagawa, A., Hirano, T., Komatsu, M., Sato, M., Uenohara, H., Ohgawa, H., Kusada, Y., Shirane, R., Takayama, K., Yoshimoto, T. “Holmium: YAG laser-induced liquid jet knife: possible novel method for dissection”. *Lasers Surg Med* 31, 125 (2002)
- [42] Hirano, T., Uenohara, H., Komatsu, M., Nakagawa, A., Satoh, M., Ohyama, H., Takayama, K., Yoshimoto, T. “Holmium YAG laser-induced liquid jet dissector: A novel prototype device for dissection organs without impairing vessels”. *Minim Invas Neurosurg* 46, 121 (2003)
- [43] Iwasaki, M. “Application of Water Jet for Drilling Rocks Undersea”. *Turbomachinery* 17 (12), 761-767 (1989) (In Japanese)

- [44] Soyama H., Yanauchi Y., Sato K., Ikohagi T., Oba R. and Oshima R. “High-Speed Observation of Ultrahigh-Speed Submerged Water Jets”, *Experimental Thermal and Fluid Science* 12:411-4162, 1996
- [45] Pianthong K., Zakrzewski S., Behnia M. and Milton B.E. “Supersonic liquid jets: Their generation and shock wave characteristics”, *Shock Waves* 11: 457–466, 2002
- [46] Pianthong K., Zakrzewski S., Behnia M. and Milton B.E. “Characteristics of impact driven supersonic liquid jets”, *Experimental Thermal and Fluid Science* 27 589–598, 2003
- [47] วิระพันธ์ สีหนาม , วุฒิชัย สิทธิวงษ์, กุลเชษฐ์ เพียรทอง และ อนิรุตต์ มัทธจักร์. “การจำลองคุณลักษณะเบื้องต้นของลำพุ่งเชื้อเพลิงความเร็วสูง”. การประชุมวิชาการเครือข่ายวิศวกรรมเครื่องกลแห่งประเทศไทย ครั้งที่ 21, 2550.
- [48] Ohtani, K. Numata, D. Takayama, K. Kobayashi, T. Okatsu, K. “Experimental study of underwater rock drilling using a pulsed Ho : YAG laser-induced jets”. *Shock wave* 19, 403-412 (2009)