

รายการอ้างอิง

1. Sedriks, A. John. Corrosion of stainless steel. 2nd edition. New York: John Wiley & Sons, 1996.
2. Sprowls, D.O. Metals Handbook. Vol. 8, Mechanical Testing. 9th edition. ASM International, Matal Park, OH, 1987, p. 449.
3. T.L. Gerber, Y.S. Garud, and S.R. Sharma. "Application of an Engineering Model for Predicting Stress Corrosion Cracking in BWR Stainless Steel Piping Component" THERMAL AND ENVIRONMENTAL EFFECTS IN FATIGUE; RESEARCH – DESIGN INTERFACE. PVP-Vol.71, C.E. Jaske, S. J. Hudak and M.E. Mayfield (Editors), ASME, 1983.
4. Y. S. Garud and T. L. Gerber. "An Engineering Model for Predicting Stress Corrosion Cracking" ADVANCES IN LIFE PREDICTION METHODS. D. A. Woodford and J. R. Whitehead (Editors), ASME, 1983.
5. Westinghouse Electric Corporation. Strain-Rate Damage Model for Alloy 600 in Primary Water. Research Project S303-8, October 1990, p. 1-1.
6. Y.S. Gard and A.R. McILREE "Intergranular Stress Corrosion Cracking Damage Model: An Approach and its Development for Alloy 600 in High-Purity Water" Corrosion-NACE. Vol. 42, No. 2, (February), 1986, pp. 99-105.
7. Z. Fang, Y. Wu, R. Zhu, B. Cao, and F. Xiao. "Stress Corrosion Cracking of Austenitic Type 304 Stainless Steel in Solutions of Hydrochloric Acid + Sodium Chloride at Ambient Temperature" Corrosion-NACE. Vol. 50, No. 11, 1994, pp. 873-878.
8. Denny.A.Jones. Principle and prevention of corrosion. New York. Macmillan Publishing Company, a division of Macmillan, Inc, 1992.
9. R.C.Cowan II and C.S. Temdon, Jr. Advances in Corrosion Science and Technology, Ed. M. G. Fontana and R.W. Staehle, Pub. Plenum Press, Vol. 3, 1973, p. 293.
10. R. L. Cowan II and G. M. Gordon. Stress Corrosion Cracking and Hydrogen Embrittlement of Iron Base Alloys, NACE-5, Pub. National Association of Corrosion Engineers, 1977, p. 1023.
11. Stawstrom, C. and Hillert, M. Journal of iron instrument, vol. 207, 1969, pp. 77-85.

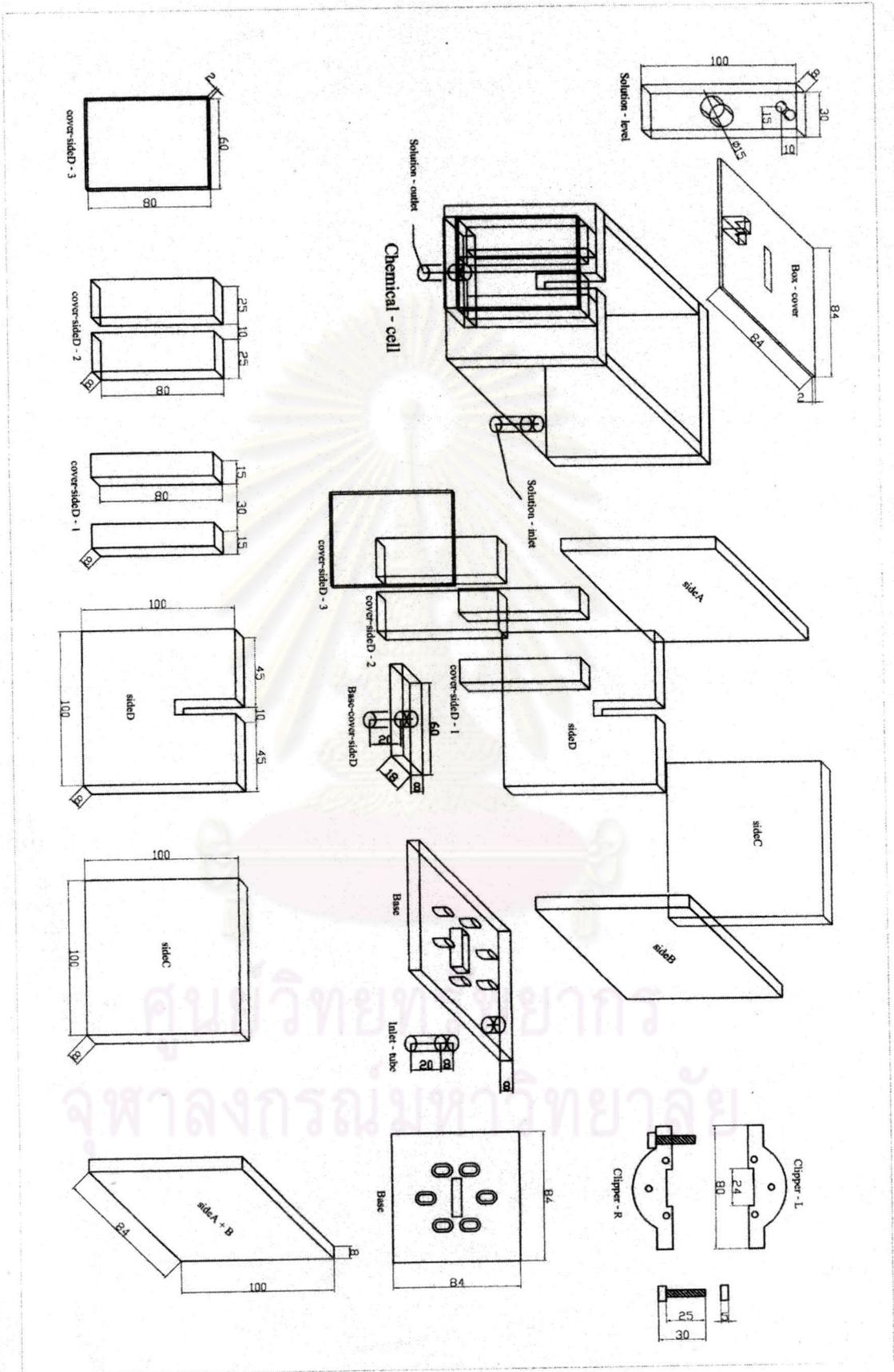
12. Andreson, P. L. , Ford, F. P. , Murphy, S. Ms “State of Knowledge of radiation effects on environmental cracking in light water reactor core materials”. Proceedings of the Forth International Conference on Environmental Degradation of Materials in Nuclear Power Systems Water Reactors, NACE International, Houston, TX, 1989, p. 1.
13. Norihiko Fujita, Mamoru Akiyama, and Takaaki Tamura. “Stress Corrosion Cracking of Sensitized Type 304 Stainless Steel in High Temperature Water Under Gamma Ray Irradiation.”, Corrosion-NACE, Vol. 37, 1981, p. 335-340.
14. Graver, D. L. ed. Corrosion data survey, Metals Section. 6th ed. NACE, 1985.
15. J. E. Truman. Corrosion Science, Vol. 17, 1977, p. 737.
16. Kullawat Talerngsuk. Determination of Intergranular Stress Corrosion Cracking Susceptibility of 304 Stainless Steels Using Slow Strain Rate Tensile Testing and Doppler Broadened Positron Annihilation Spectroscopy. Master’s Degree of Science in Nuclear Technology Department of Nuclear Technology Faculty of Engineering Chulalongkorn University, 1998.
17. J. Gutzeit, R. D. Merrick, and L. R. Sharfstein. Metals Handbook, Vol. 13, Corrosion, 9th edition, ASM International, Metals Park, OH, 1987, p. 1262.
18. R. L. Jones, R. L. Long and J. S. Olszewski. CORROSION/83, Paper 141, NACE Houston, 1983.
19. Fontana, Mars G. Corrosion Engineering. 3rd edition, New York: McGraw-Hill, 1986.
20. R.C. Newman, H.S. Isaacs, B.Alman. Corrosion, Vol. 38, 1982, p. 261.
21. R.C. Newman, Corrosion, Vol. 41, 1985, p. 450.
22. A. Garner, Corrosion, Vol. 41, 1985, p. 587.
23. H.S. Isaacs, B. Vyas and M.W. Kending. “The Stress Corrosion Cracking of Sensitized Stainless Steel in Thiosulfate Solutions.” Corrosion-NACE, Vol. 38, 1982, pp. 130-136.
24. R. C. Newman, W. P. Wong, H. Ezuber, A. Garner. Corrosion, Vol. 45, 1989, p. 282.
25. N.J. Laycock, “Effects of Temperature and Thiosulfate on Chloride Pit of Austenitic Stainless Steels.” Corrosion, 1999, pp. 590-595.
26. C. Duret-Thual, D. Costa, W. P. Yang, P. Marcus. Corrosion Science, Vol. 39, 1997, p. 913.
27. T. Laitinen, “Localized corrosion of stainless steel in chloride, sulfate and thiosulfate containing environments.” Corrosion Science, Vol. 42, 2000, pp. 421-441.

28. F. A. Champion, Symposium on Internal Stresses in Metals and Alloys, Inst. Of Metals, London, 1984, p. 468.
29. H. L. Logan : J. Res. Natn. Bur. Stand. , Vol. 48, 1952, p. 99.
30. E. W. Hart, Surfaces and Interfaces II, Syracuse University Press, Syracuse, New York, 1968, p. 210.
31. R. W. Staehle, The Theory of Stress Corrosion Cracking in Alloys, NATO, Brussels, 1971, p. 223.
32. R. W. Staehle, Stress Corrosion Cracking and Hydrogen Embrittlement of Iron-Base Alloys, NACE, Houston, 1977, p. 180.
33. R. N. Parkins, Br. Corrosion J. , Vol. 14, 1979, p. 5.
34. Z. A. Foroulis, Symposium on Environment-Sensitive Fracture of Engineering Materials, Pub, The Metallurgical Society of AIME, 1979, p. 32.
35. R. N. Parkins, F. Mazza, J. J. Royuela, J. C. Scully, Br. Corros. J., Vol. 7, 1972, p. 154.; Werkst. Korros., Vol. 23, 1972, p. 1020, 1124.
36. Kittisak Kosonwantana, Effect of Thermomechanical Processing on Stress Corrosion Cracking Susceptibility of 304 Stainless. Master's Degree of Science in Nuclear Technology Department of Nuclear Technology Faculty of Engineering Chulalongkorn University, 2001.
37. D.B. Wells, J. Stewart, A.W. Herbert, P.M. Scott and D.E. Williams. "The use of Percolation theory to predict the probability of failure of sensitized, austenitic stainless steels by intergranular stress corrosion cracking." Corrosion , Vol. 45, 1989, pp. 649-660.



ภาคผนวก

ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย



รูปที่ ก. 2 แผนภาพแสดงรายละเอียดของ chemical cell

ประวัติผู้เขียนวิทยานิพนธ์

นายสุภฤกษ์ บุญเทียร เกิดวันที่ 7 ธันวาคม 2520 ที่อำเภอห่มเกล้า จังหวัดเพชรบูรณ์ สำเร็จการศึกษาปริญญาตรีวิทยาศาสตร์บัณฑิต สาขาวิชาฟิสิกส์ คณะวิทยาศาสตร์ มหาวิทยาลัยนเรศวร ในปีการศึกษา 2542 และเข้าศึกษาต่อในหลักสูตรวิทยาศาสตรมหาบัณฑิต สาขาวิชานิวเคลียร์ เทคโนโลยี จุฬาลงกรณ์มหาวิทยาลัย เมื่อปีการศึกษา 2543



ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย