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APPENDICES

Appendix A

The normalized stress intensity factor ($K_I t \sqrt{W} / P$) versus the normalized distance along the crack front (s/t) for various specimen thicknesses $t/a \in \{1, 2, 3, 4, 5, 10, 20, 40\}$ is reported in Figures A.1-A.7 for $\nu = 0.05, 0.15, 0.20, 0.25, 0.35, 0.40$ and 0.45 , respectively.

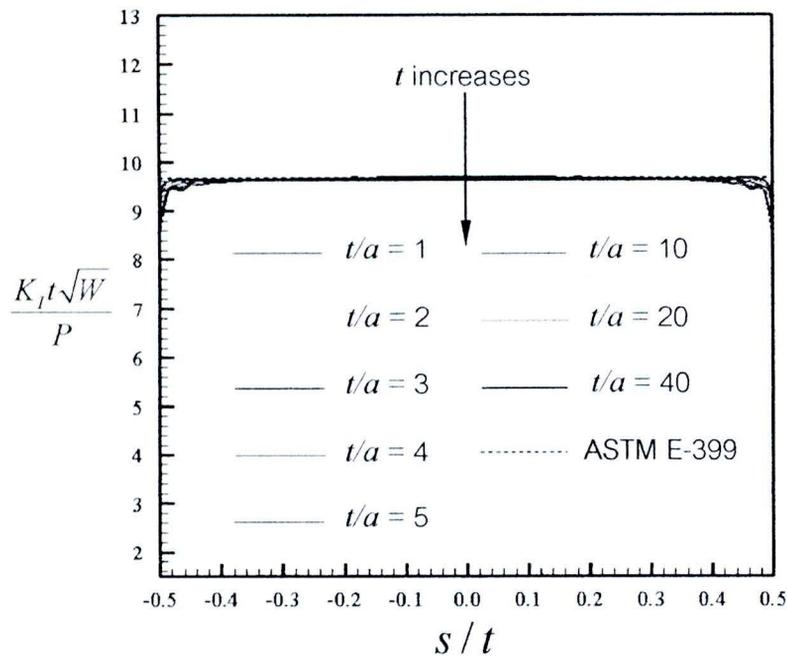


Figure A.1 Normalized mode-I stress intensity factor versus the normalized distance along the crack front for various thicknesses and $\nu = 0.05$

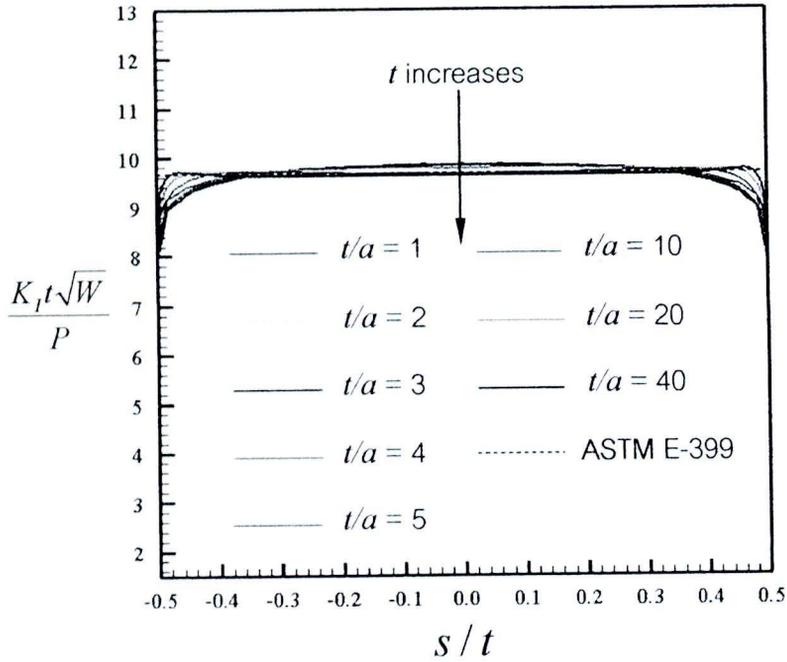


Figure A.2 Normalized mode-I stress intensity factor versus the normalized distance along the crack front for various thicknesses and $\nu = 0.15$

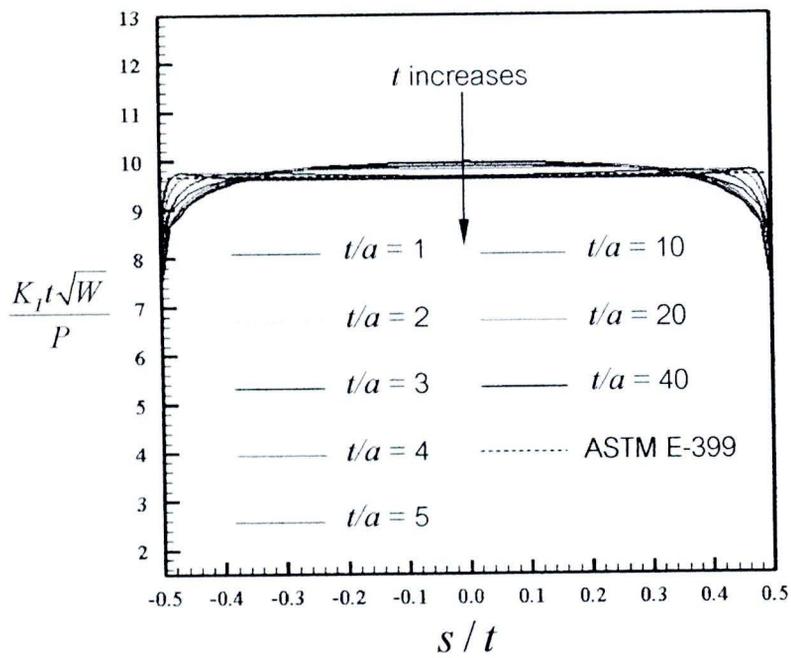


Figure A.3 Normalized mode-I stress intensity factor versus the normalized distance along the crack front for various thicknesses and $\nu = 0.20$

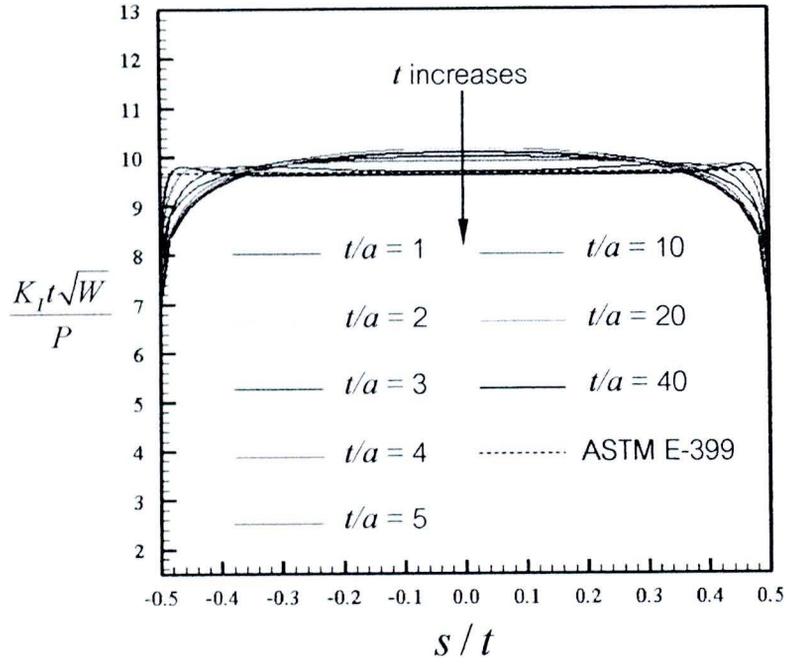


Figure A.4 Normalized mode-I stress intensity factor versus the normalized distance along the crack front for various thicknesses and $\nu = 0.25$

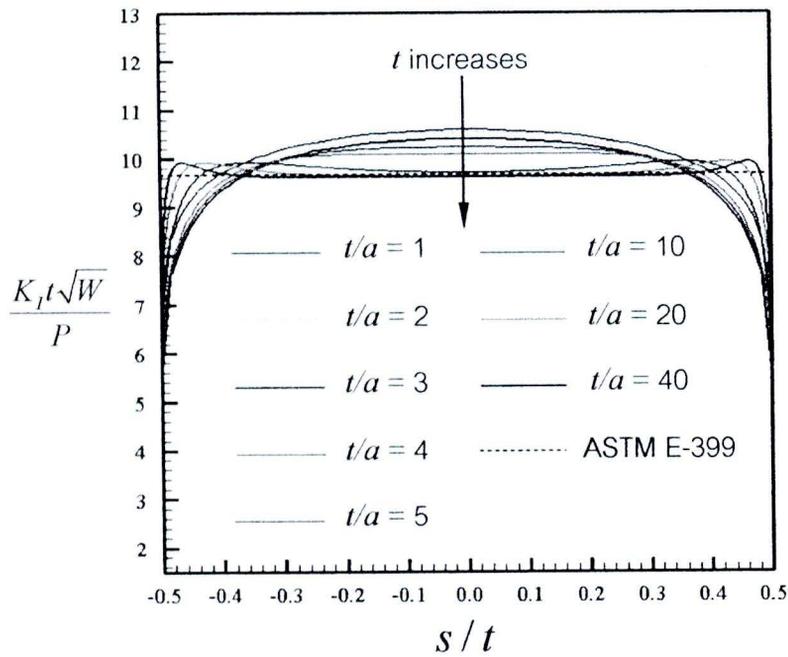


Figure A.5 Normalized mode-I stress intensity factor versus the normalized distance along the crack front for various thicknesses and $\nu = 0.35$

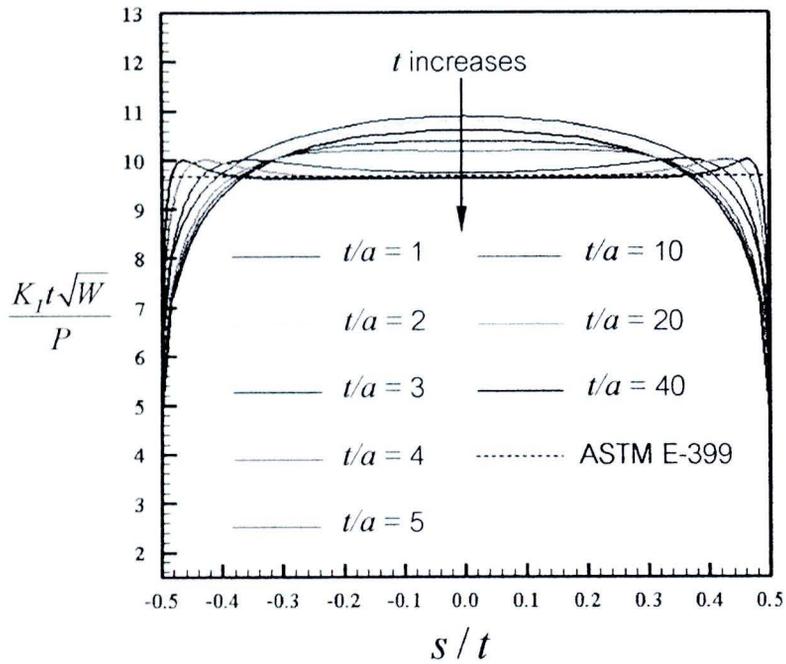


Figure A.6 Normalized mode-I stress intensity factor versus the normalized distance along the crack front for various thicknesses and $\nu = 0.40$

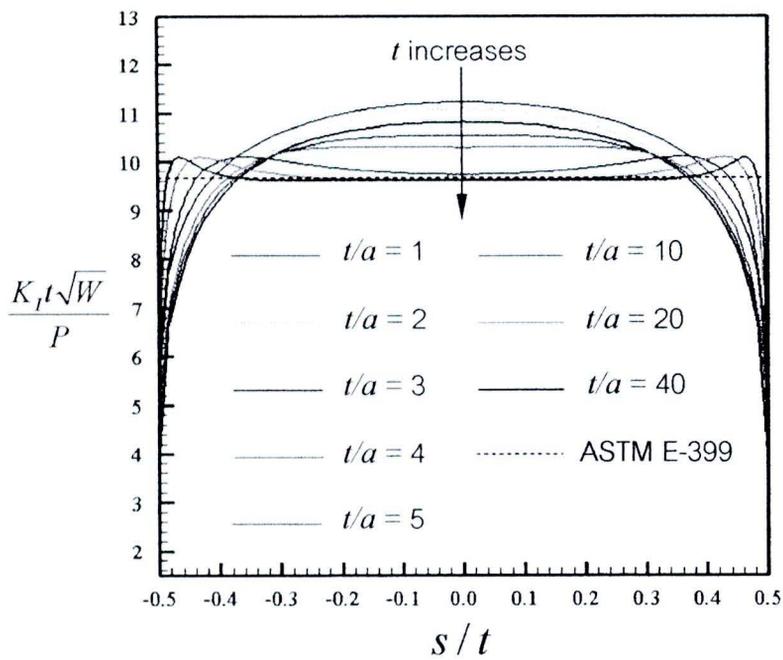


Figure A.7 Normalized mode-I stress intensity factor versus the normalized distance along the crack front for various thicknesses and $\nu = 0.45$

Appendix B

The normalized stress intensity factor ($K_I t \sqrt{W} / P$) versus the normalized distance along the crack front (s/t) for various specimen thicknesses $t/a \in \{1, 2, 3, 5, 10, 20, 40\}$ is reported in Figures B.1-B.4 for $\nu_p = 0.10, 0.20, 0.40,$ and 0.50 , respectively.

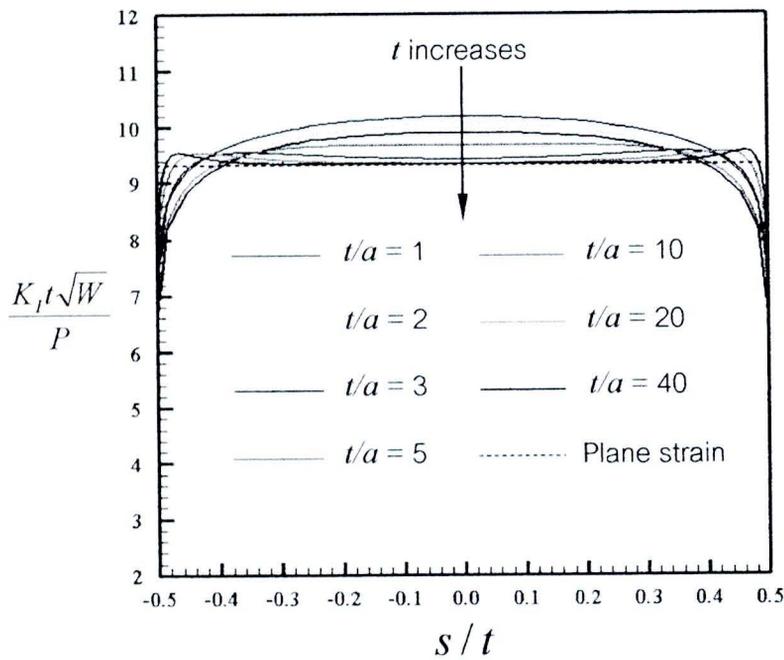


Figure B.1 Normalized mode-I stress intensity factor versus the normalized distance along the crack front for various thicknesses and $\nu_p = 0.10$

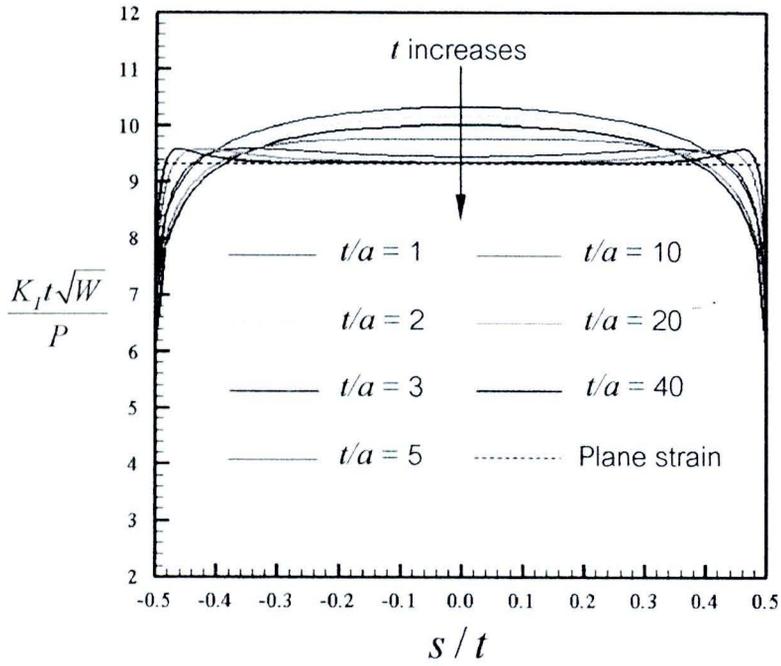


Figure B.2 Normalized mode-I stress intensity factor versus the normalized distance along the crack front for various thicknesses and $\nu_p = 0.20$

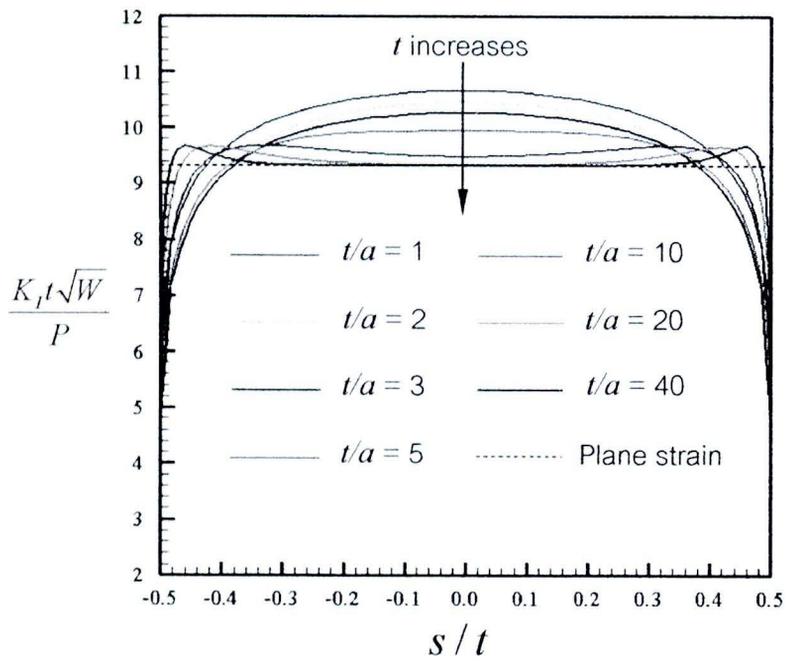


Figure B.3 Normalized mode-I stress intensity factor versus the normalized distance along the crack front for various thicknesses and $\nu_p = 0.40$

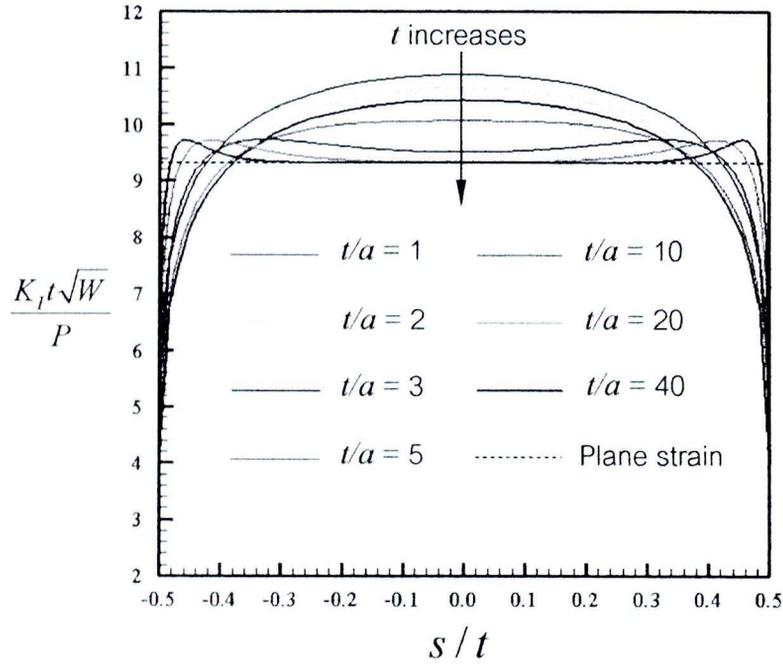


Figure B.4 Normalized mode-I stress intensity factor versus the normalized distance along the crack front for various thicknesses and $\nu_p = 0.50$

BIOGRAPHY

Mr. Kittisak Suisut was born in 1984. He graduated elementary school from Anuban Songkhla school in 1996, high school from Mahavajiravudh Songkhla school in 2002, civil engineering bachelor degree from Prince of Songkla University in 2006. After his postgraduate studies in the Department of Civil Engineering at Chulalongkorn University. The major in his master's degree is structural civil engineering which includes studies and researches in fracture mechanics.



