

HUMAN TRANSLATION

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"AERODYNAMIC FIGURE CAPTION" (Selected Pages)

English pages: 4

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Figure 2: Blade back flow spectrum for $\alpha=0^\circ$ and $I=0.53$.

Figure 3: Blade bowl flow spectrum for $\alpha=0^\circ$ and $I=0.53$.

Figure 4: Flow spectrum for $\alpha=10^\circ$ and $I=0.53$.

Figure 7: Increase of whirlpool string for $\alpha=0^\circ$ and I increases to 1.0.

Figure 8: Jet stream departs from blade back and appearance of whirlpool for $\alpha=10^\circ$ and $I=0.60$.

Figure 9: The adherence of the jet streams of the first and second vent holes with blade back is better when $\alpha=-9^\circ$ and $I=0.28$.

Figure 10: The adherence of the jet stream of the first vent hole with blade back is degraded and whirlpool appears when $\alpha=-9^\circ$ and $I=0.60$.

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1. Outlook of the test laboratory
2. Flow-conducting sound-damping plate
3. Sound-absorbing wedge
4. Sound insulation room of the exhaust sound-absorbing tube
5. Outlet of exhaust sound-absorbing tube
6. Removable plate-type sound absorber (left side was closed and right side was opened)
7. Exhaust maze

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1. Outlook of test laboratory
2. Main control room, the data collecting system is on the left and on the right side is three PDP 11/73 computers
3. J-6 fighter awaits testing
4. J-6 fighter in fatigue test

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1. Combustion Turbine Research Institute
2. full size dual-shaft turbine composite testing equipment
3. single multiple-stage compressor testing equipment
4. high altitude station gas supply plant
5. high altitude simulation testing cabin
6. supersonic compressor plane-blade grid wind tunnel
7. supersonic air inlet simulation wind tunnel
8. high altitude station exhaust cooling system

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Figure 2: Y-7 assembly building of Xiane Aircraft Company

Figure 3: Overlay skin stretching machine

Figure 4: Microwave testing dark room

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Figure 1: Digital riveting machine

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Figure 2: DNC technology development

Figure 3: Scanning electron microscope

Figure 4: Large-scale hot pressing canister

Figure 5: Vacuum electrical furnace

Figure 6: Air-circulation quenching furnace

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Figure 1: Main laboratory of computer center

Figure 2: CAD design in the design center

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Figure 1: Full-scale measuring machine

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Figure 2: penetration detecting plant (interior view)

Figure 3: Circularity measuring device for high-precision parts

Figure 4: Electrostatic spray penetration detecting machine

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Figure 2: System dynamic simulation in the engine fuel system
control laboratory

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1. Low-speed wind tunnel simulation test
2. Full craft turbine illustration by the 7-hole probe
3. High-speed wind tunnel open-hole wall

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