Appendix A

EXPERIMENTAL MEASUREMENTS OF INVERTED FLAGS OF AR=2 AT MODERATE ANGLES OF ATTACK

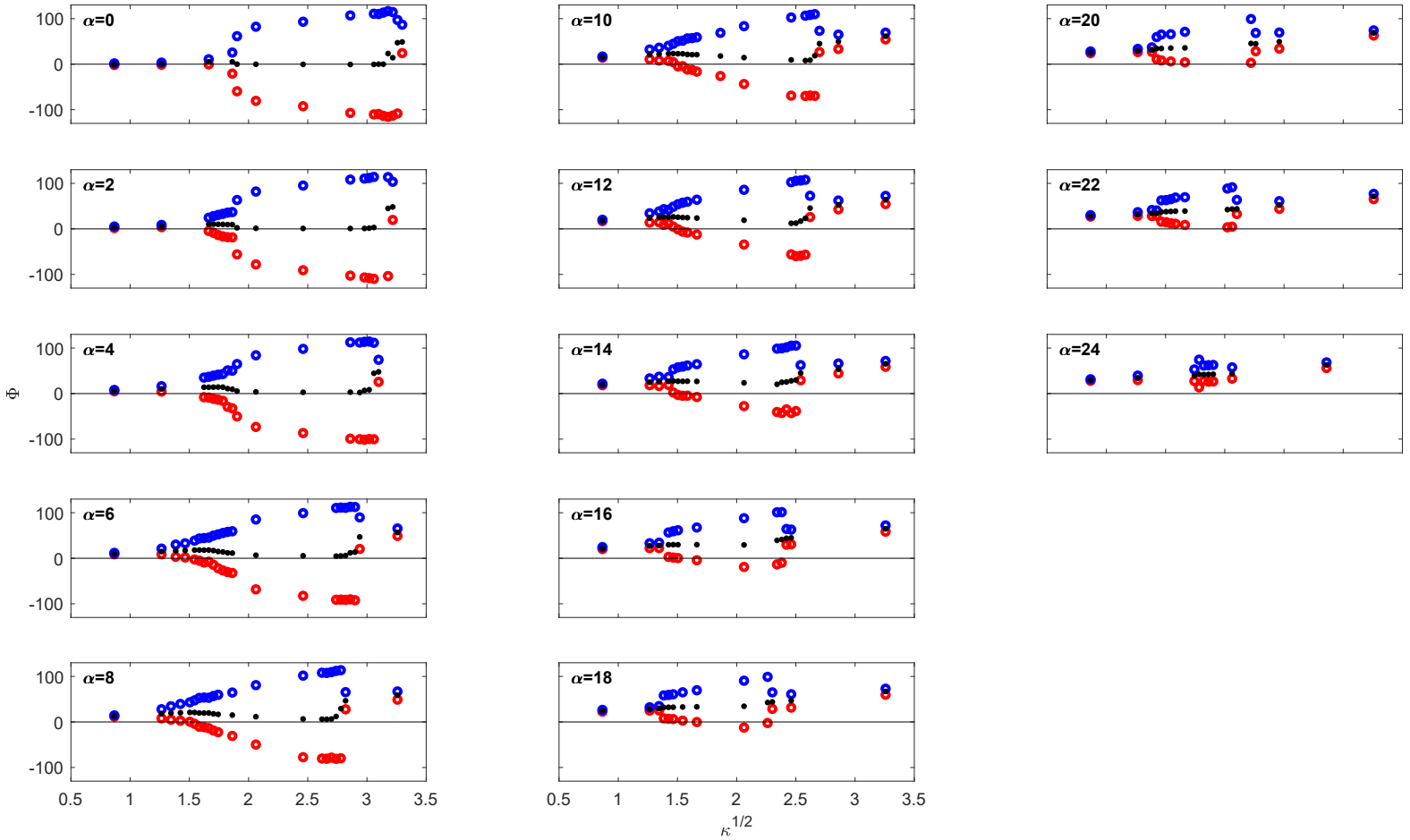

Figure A.1: Maximum (○), minimum (○) and mean (●) deflection angle, Φ, for an inverted flag of AR=2 and $\mu = 2.76$ as a function of non-dimensional flow velocity, κ, and angle of attack, α

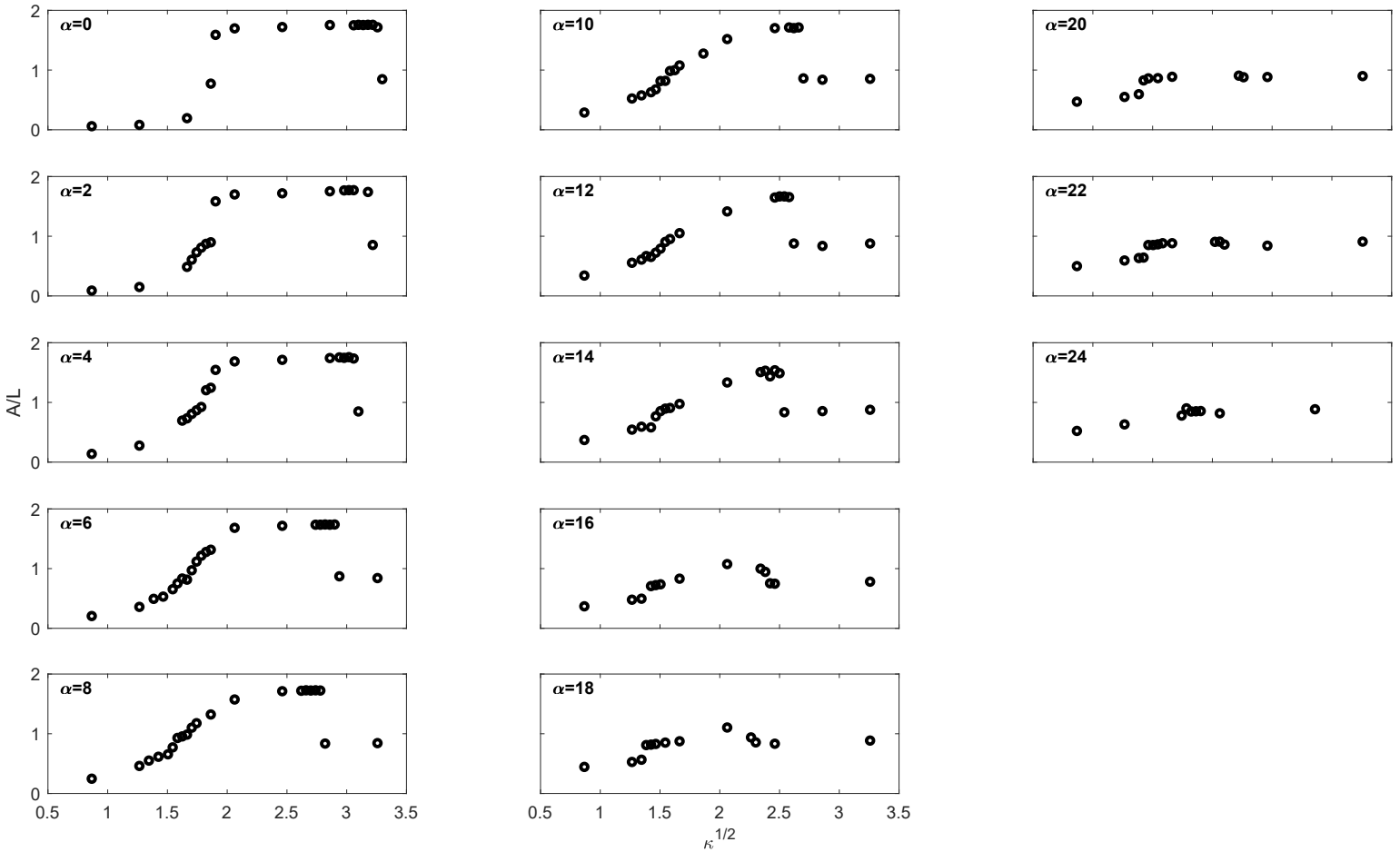

Figure A.2: Maximum cross section, A', for an inverted flag of AR=2 and $\mu = 2.76$ as a function of non-dimensional flow velocity, κ, and angle of attack, α

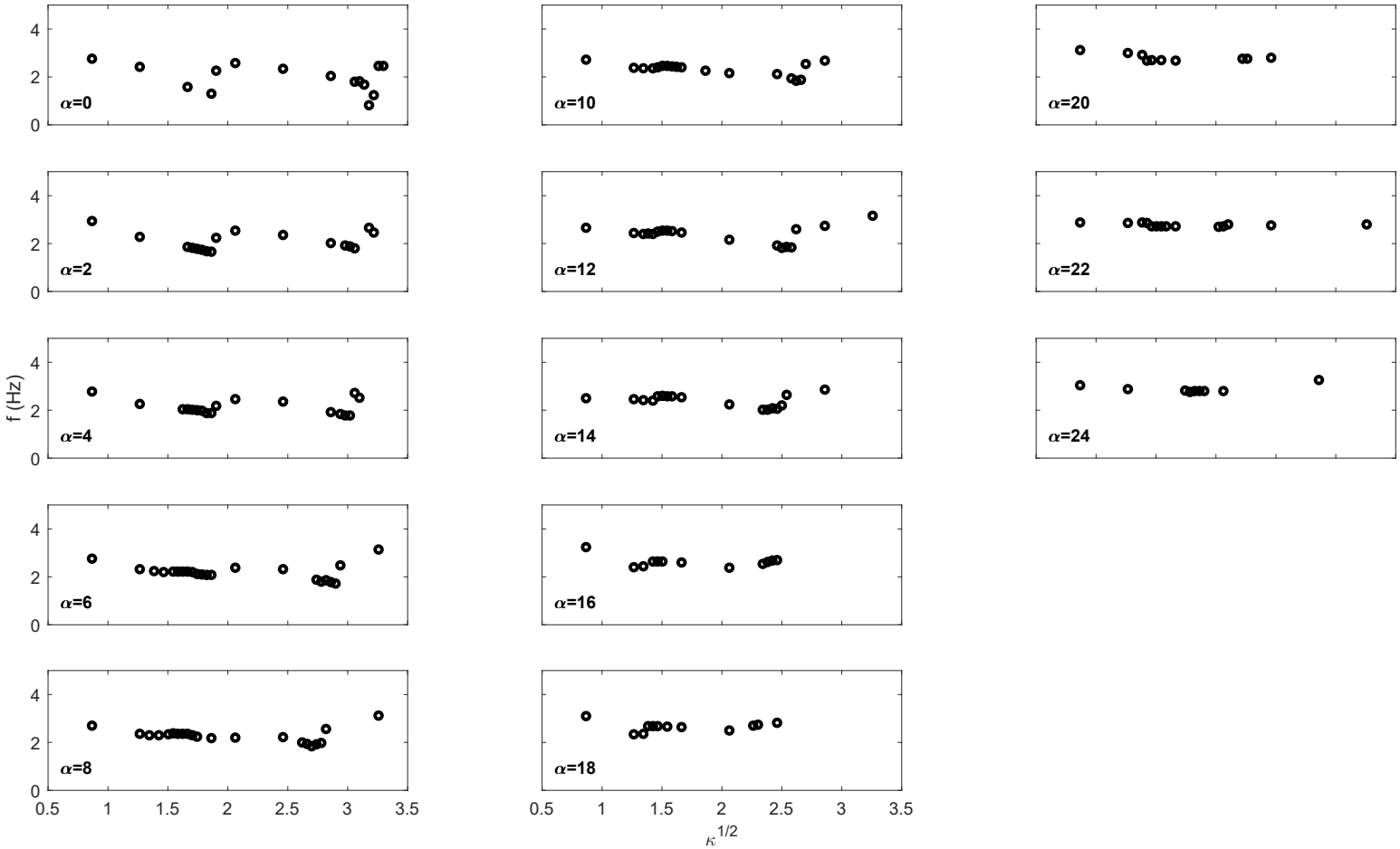

Figure A.3: Frequency of motion, f, for an inverted flag of AR=2 and $\mu = 2.76$ as a function of non-dimensional flow velocity, κ, and angle of attack, α

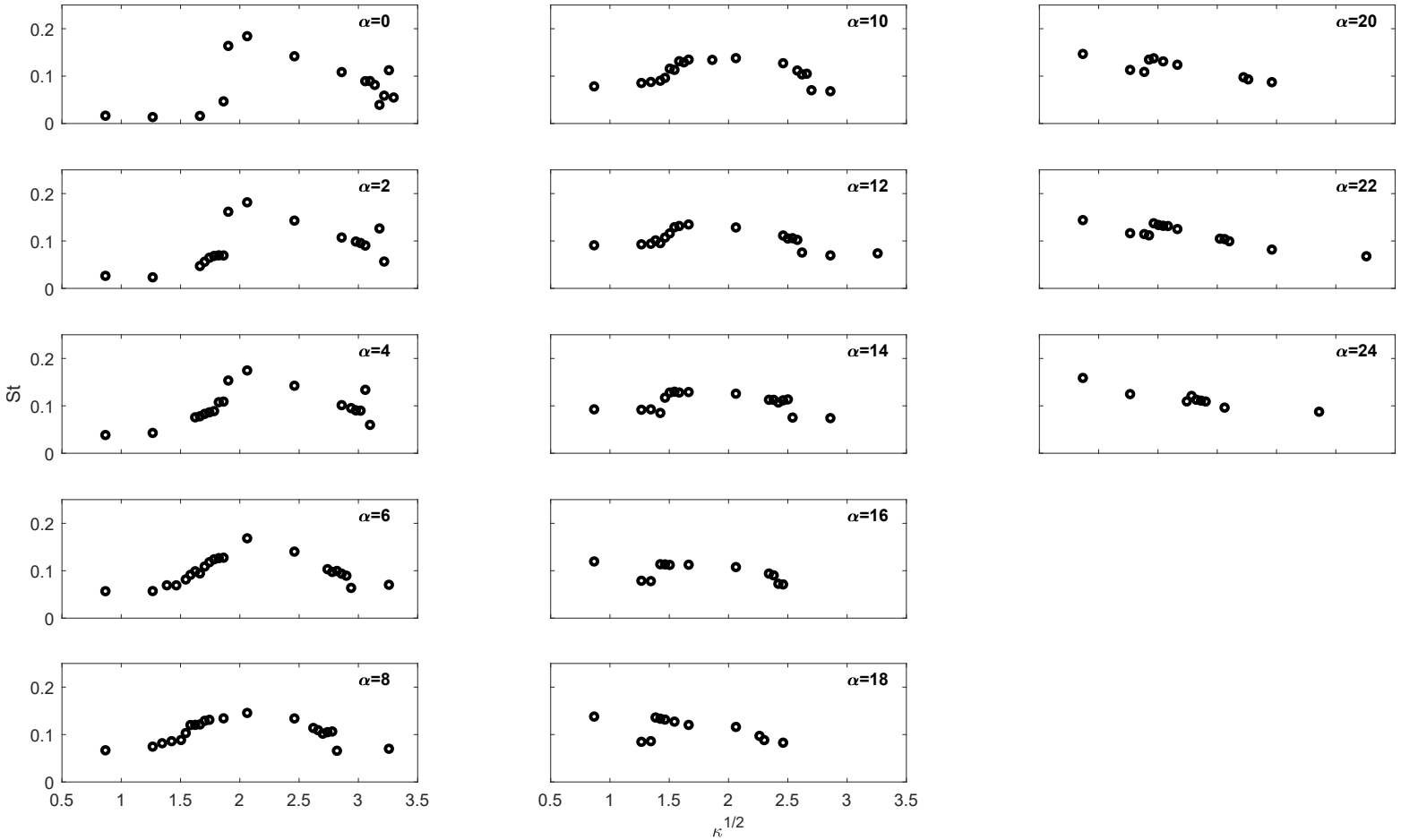

Figure A.4: Strouhal number, $St = fA'/U$, for an inverted flag of AR=2 and $\mu = 2.76$ as a function of non-dimensional flow velocity, κ, and angle of attack, α

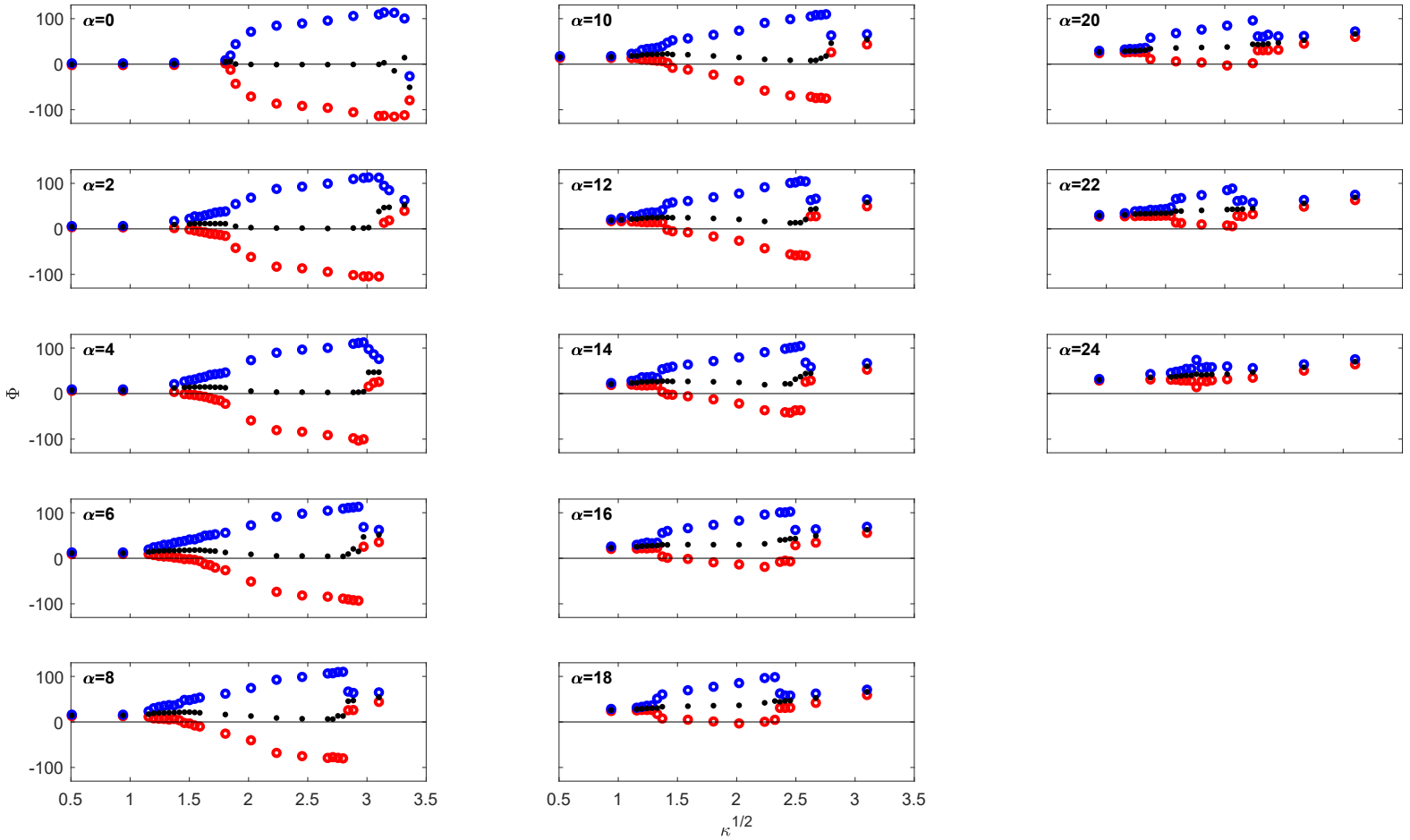

Figure A.5: Maximum (○), minimum (○) and mean (●) deflection angle, Φ, for an inverted flag of AR=2 and $\mu = 2.62$ as a function of non-dimensional flow velocity, κ, and angle of attack, α

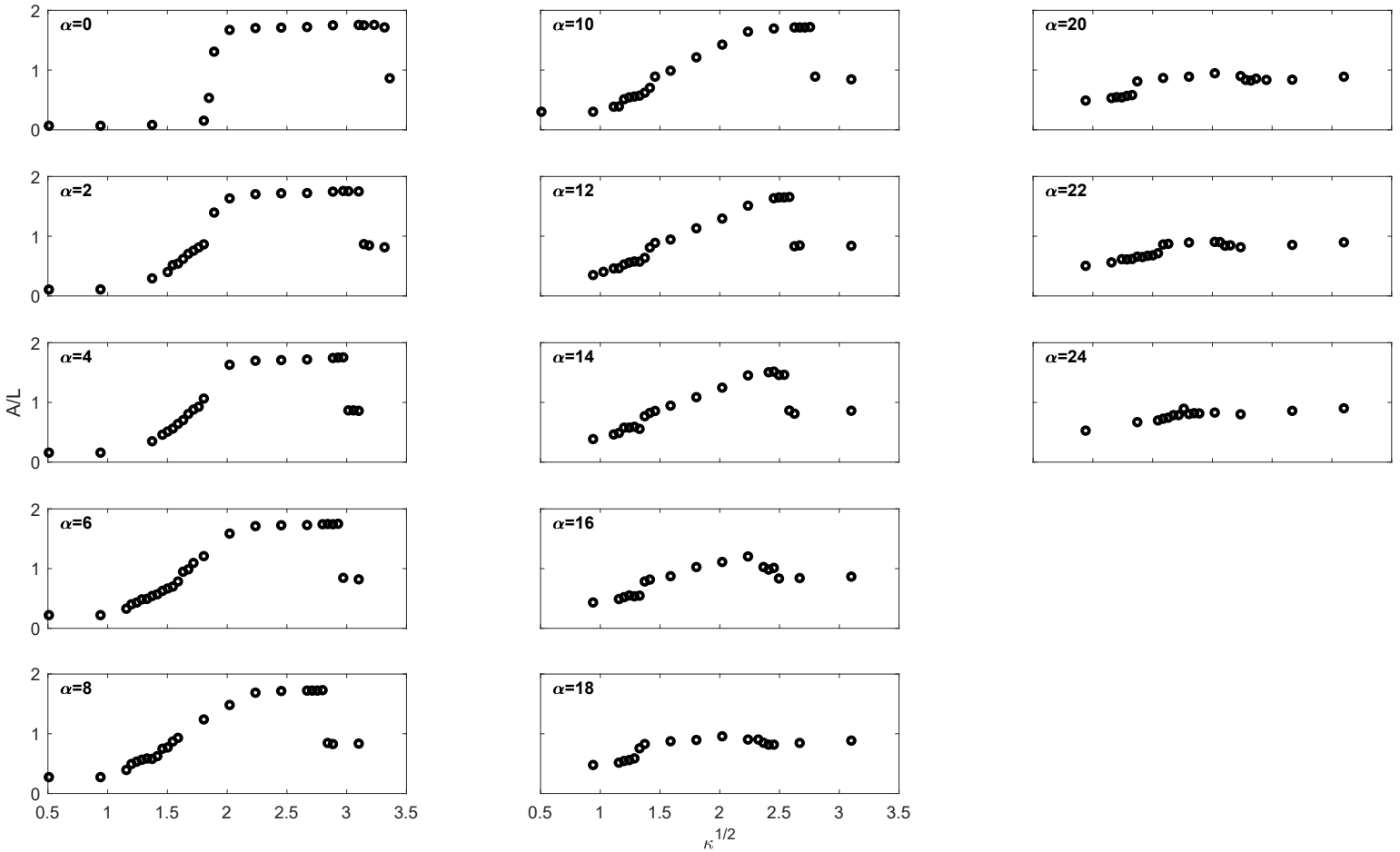

Figure A.6: Maximum cross section, A', for an inverted flag of AR=2 and $\mu = 2.62$ as a function of non-dimensional flow velocity, κ, and angle of attack, α

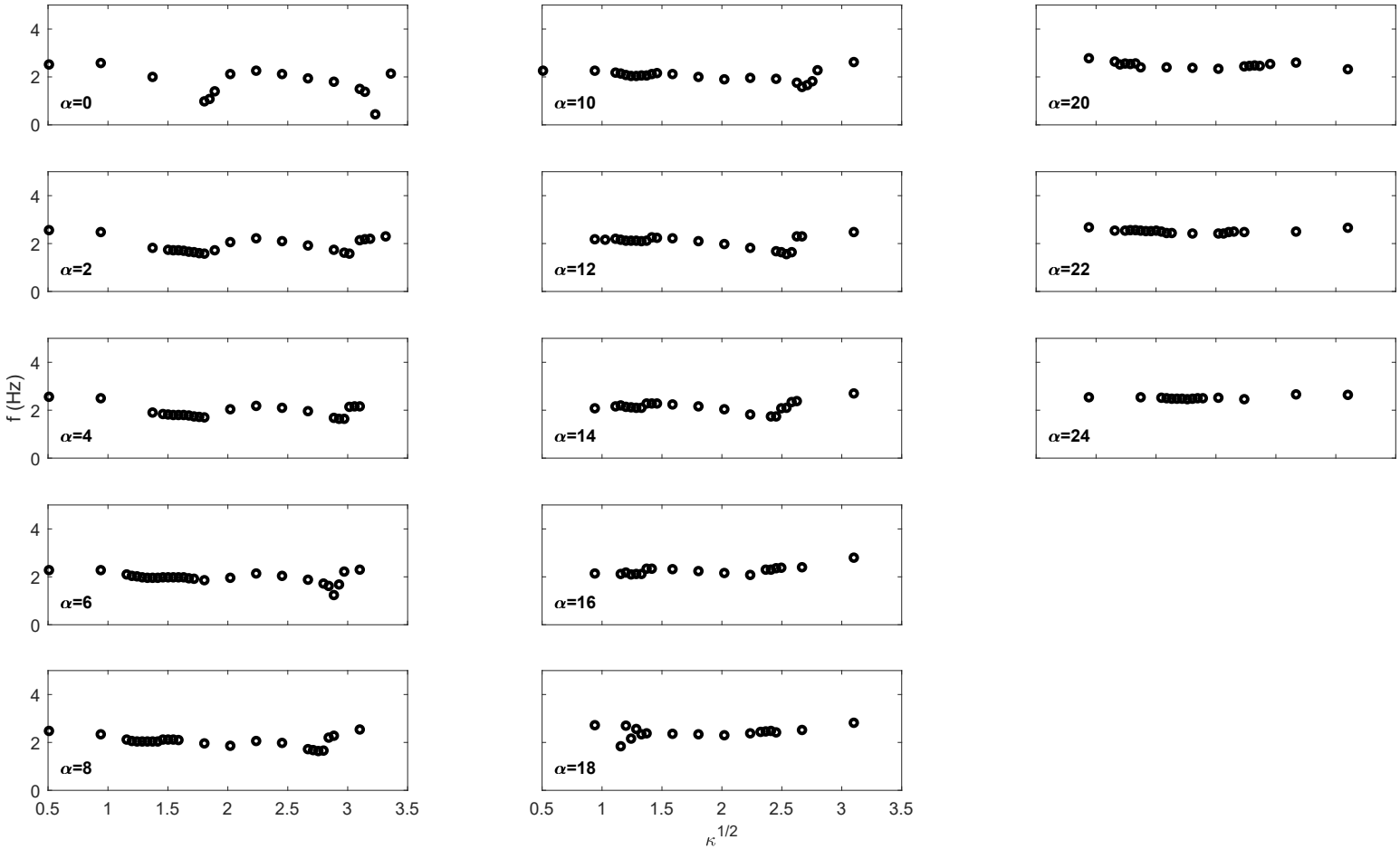

Figure A.7: Frequency of motion, f, for an inverted flag of AR=2 and $\mu = 2.62$ as a function of non-dimensional flow velocity, κ, and angle of attack, α

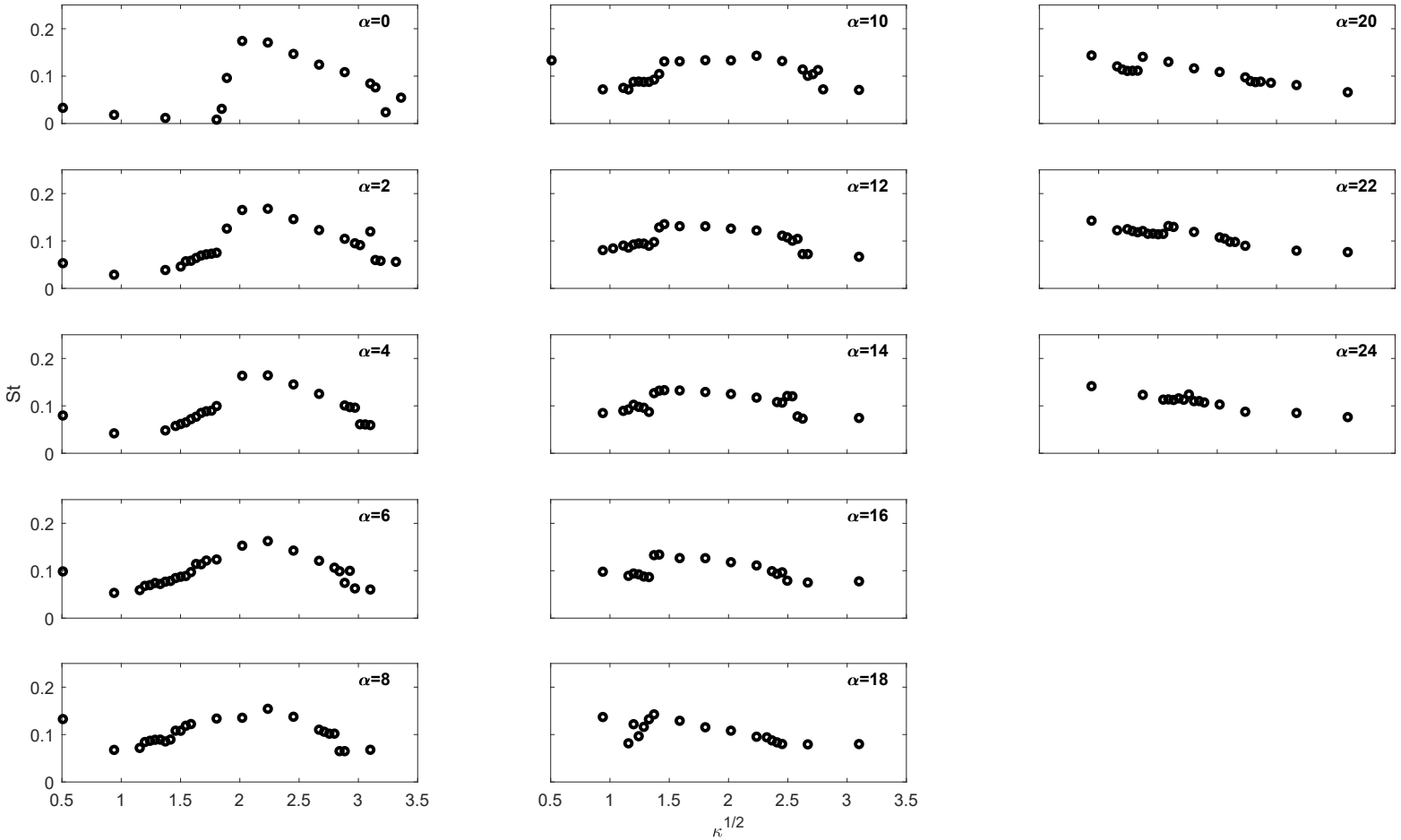

Figure A.8: Strouhal number, $St = fA'/U$, for an inverted flag of AR=2 and $\mu = 2.62$ as a function of non-dimensional flow velocity, κ, and angle of attack, α

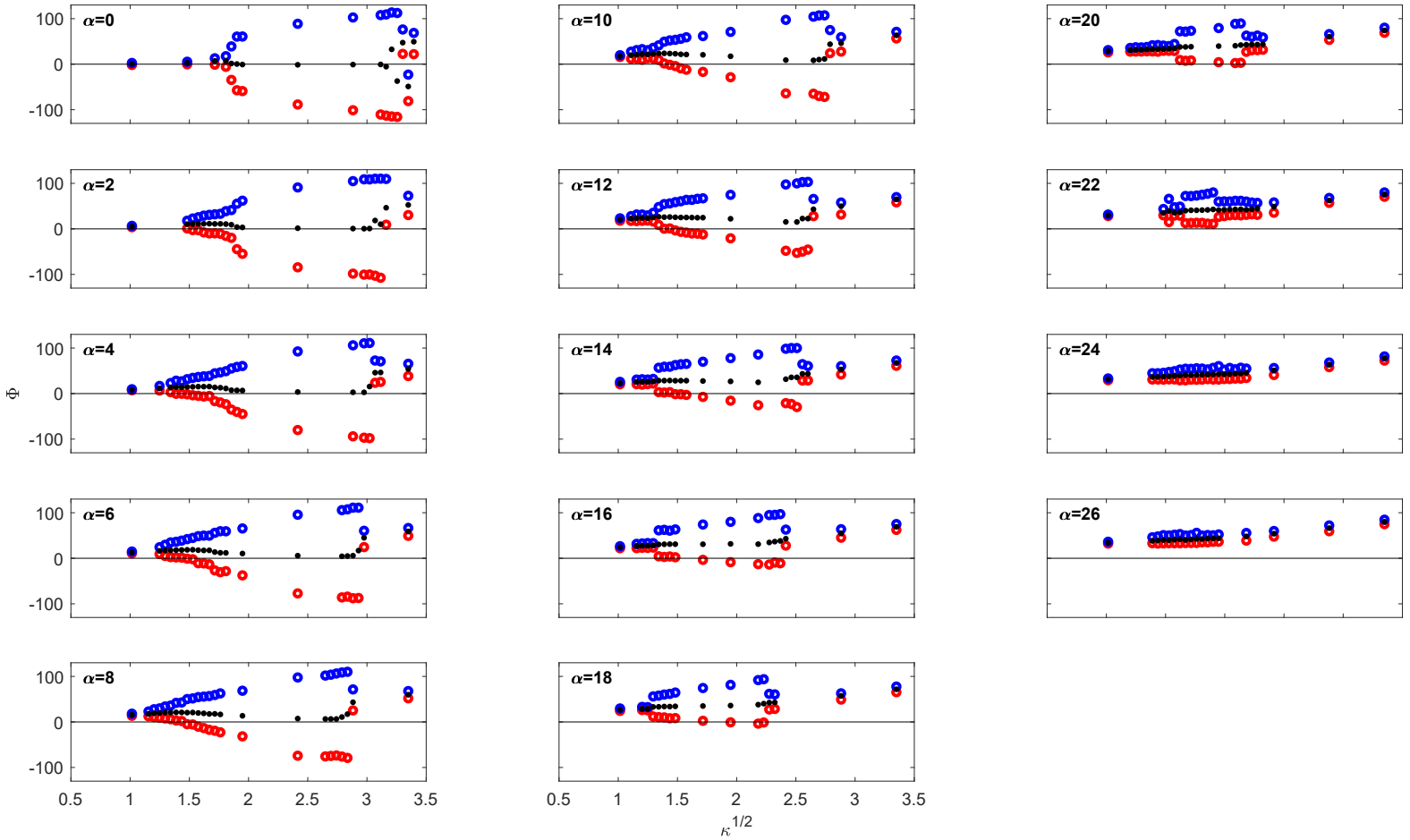

Figure A.9: Maximum (○), minimum (○) and mean (●) deflection angle, Φ, for an inverted flag of AR=2 and μ = 2.49 as a function of non-dimensional flow velocity, κ, and angle of attack, α

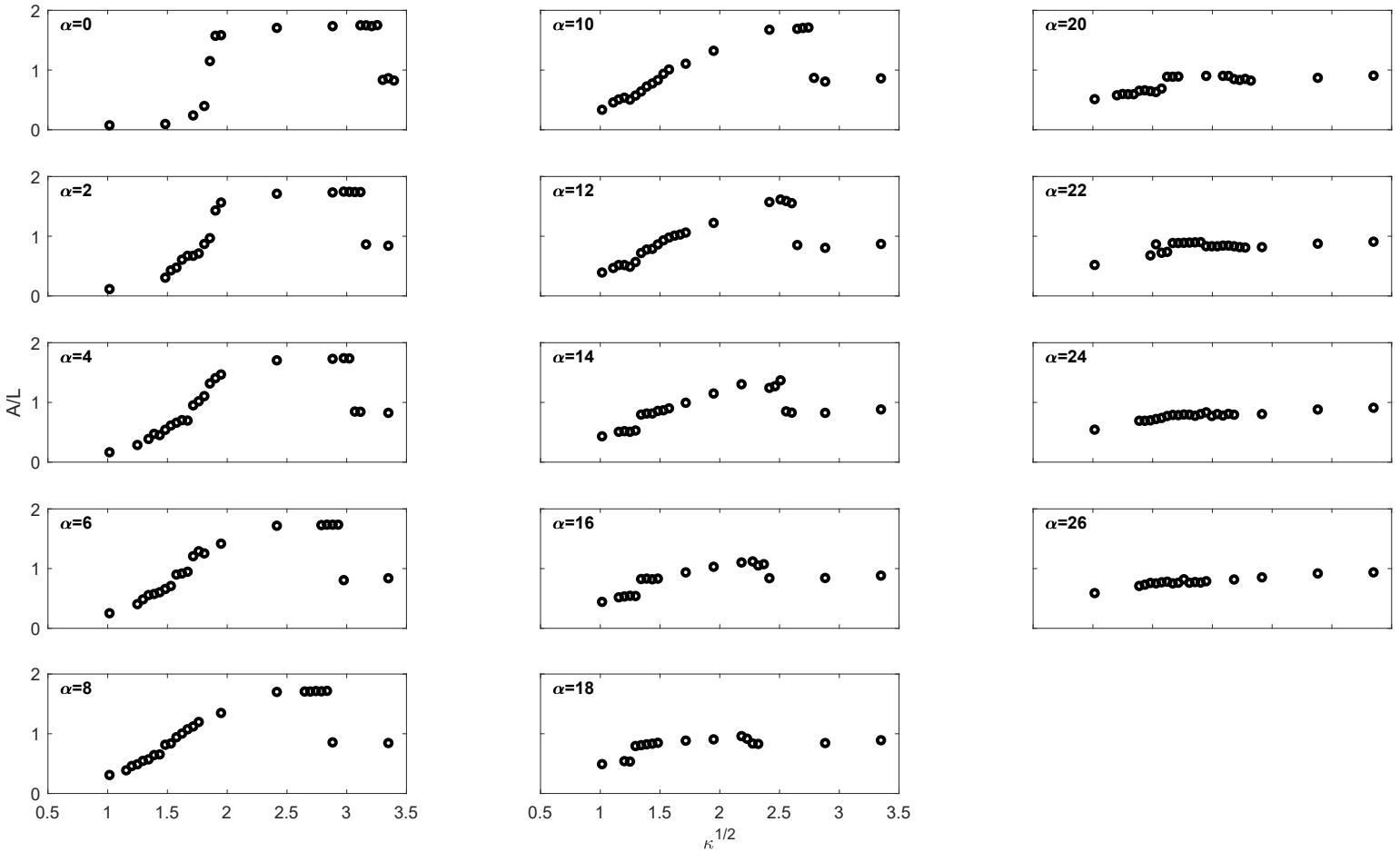

Figure A.10: Maximum cross section, A', for an inverted flag of AR=2 and $\mu = 2.49$ as a function of non-dimensional flow velocity, κ, and angle of attack, α

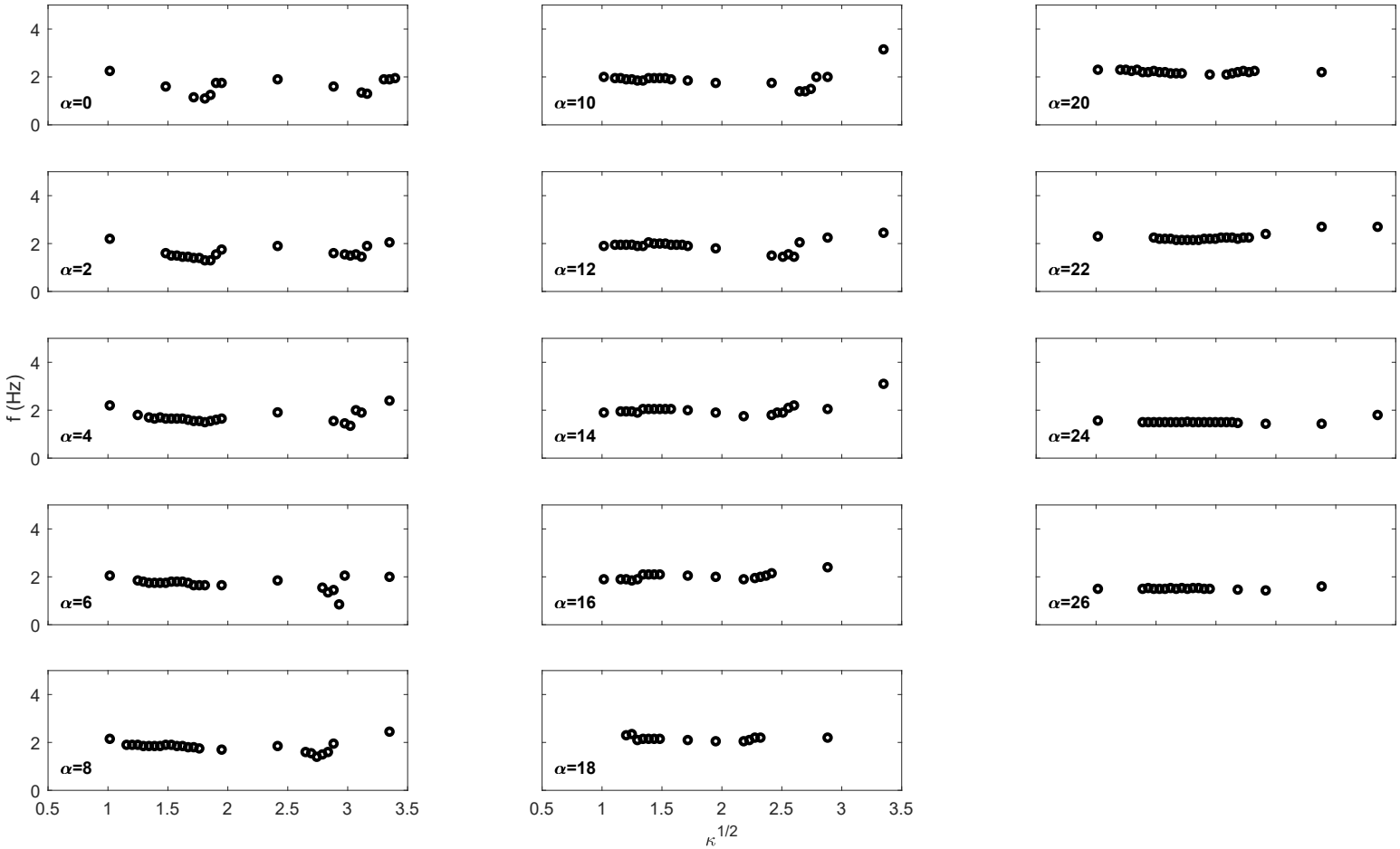

Figure A.11: Frequency of motion, f, for an inverted flag of AR=2 and μ = 2.49 as a function of non-dimensional flow velocity, κ, and angle of attack, α

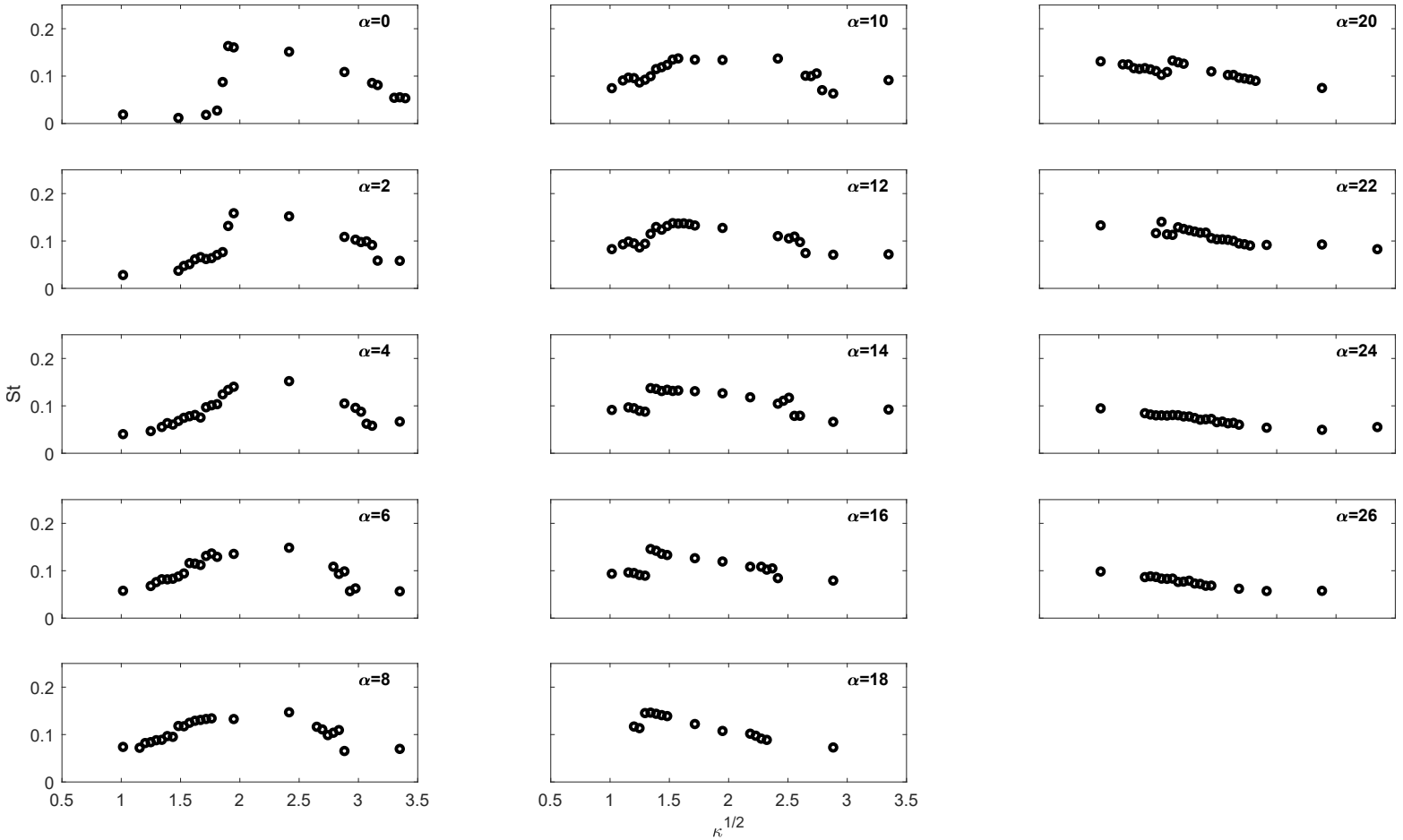

Figure A.12: Strouhal number, $St = fA'/U$, for an inverted flag of AR=2 and $\mu = 2.49$ as a function of non-dimensional flow velocity, κ, and angle of attack, α