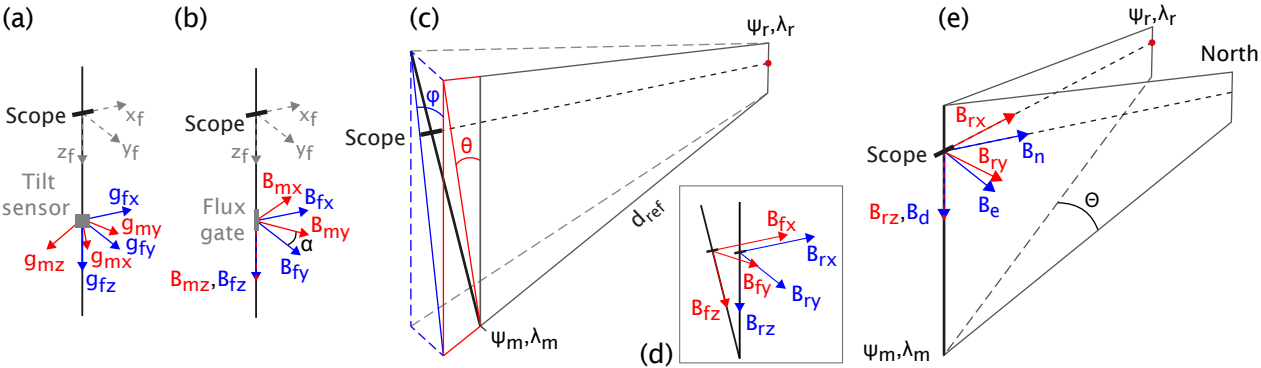
(a)
Scope
x_f
y_f
z_f
Tilt sensor
g_{fx}
g_{my}
g_{fy}
g_{mz}
g_{mx}
g_{fz}
(b)
Scope
x_f
y_f
z_f
Flux gate
B_{mx}
B_{fx}
B_{my}
α
B_{fy}
B_{mz},B_{fz}
(c)
ψ_r,λ_r
Scope
φ
θ
d_{ref}
ψ_m,λ_m
(d)
B_{fx}
B_{rx}
B_{fy}
B_{ry}
B_{fz}
B_{rz}
(e)
ψ_r,λ_r
North
B_{rx}
B_n
Scope
B_{ry}
B_e
B_{rz},B_d
Θ
ψ_m,λ_m