

Optimal impact angle control guidance law considering

Proceedings of the Institution of Mechanical Engineers, Part C
227, 1347-1364

DOI: 10.1177/0954410012452367

Citation Report

#	ARTICLE	IF	CITATIONS
1	Generalized model predictive static programming and its application to 3D impact angle constrained guidance of air-to-surface missiles. , 2013, , .		7
2	Nonsingular Terminal Sliding Mode Guidance with Impact Angle Constraints. Journal of Guidance, Control, and Dynamics, 2014, 37, 1114-1130.	1.6	301
3	A biased proportional navigation guidance law with large impact angle constraint and the time-to-go estimation. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2014, 228, 1725-1734.	0.7	33
4	A PN/SMC hybrid guidance law for missile with narrow field-of-view strapdown seeker. , 2014, , .		2
5	Terminal impact angle constrained guidance laws using state-dependent Riccati equation approach. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2015, 229, 1616-1630.	0.7	9
6	A modified biased pursuit guidance for missile with strapdown seeker. , 2015, , .		3
7	Analysis of 3D PPN guidance laws for nonmaneuvering target. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 2932-2943.	2.6	24
8	Look Angle Constrained Impact Angle Control Based on Proportional Navigation. , 2015, , .		35
9	Sliding mode based impact angle guidance law considering actuator fault. Optik, 2015, 126, 2318-2323.	1.4	6
10	A parameter design strategy for seeker's field-of-view constraint in impact angle guidance. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2015, 229, 2389-2396.	0.7	13
11	A robust impact angle constraint guidance law with seeker's field-of-view limit. Transactions of the Institute of Measurement and Control, 2015, 37, 317-328.	1.1	44
12	Adaptive nonsingular terminal sliding mode guidance law against maneuvering targets with impact angle constraint. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2015, 229, 867-890.	0.7	22
13	Sliding mode-based continuous guidance law with terminal angle constraint. Aeronautical Journal, 2016, 120, 1175-1195.	1.1	9
14	Terminal guidance with impact angle constraint based on a practical flight strategy. , 2016, , .		0
15	SDRE based impact angle control guidance law considering seeker's field-of-view limit. , 2016, , .		1
16	Coning motion stability of spinning missiles with strapdown seekers. Aeronautical Journal, 2016, 120, 1566-1577.	1.1	12
17	Impact-angle-constraint look angle guidance for miniature missile. , 2016, , .		1
18	Impact time control guidance considering seeker's field-of-view limits. , 2016, , .		15

#	ARTICLE	IF	CITATIONS
19	A Non-Switching Guidance Law with Terminal Constraints. IFAC-PapersOnLine, 2016, 49, 7-11.	0.5	2
20	Range-to-go weighted optimal guidance with impact angle constraint and seeker's look angle limits. IEEE Transactions on Aerospace and Electronic Systems, 2016, 52, 1241-1256.	2.6	79
21	Sliding mode control based impact angle control guidance considering the seeker's field-of-view constraint. ISA Transactions, 2016, 61, 49-59.	3.1	55
22	Impact time control guidance with field-of-view constraint accounting for uncertain system lag. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2016, 230, 515-529.	0.7	30
23	Optimal Guidance With an in Route Look-Angle Constraint. , 2017, , .		10
24	Impact Angle Control Based on Feedback Linearization. , 2017, , .		6
25	Biased PNG With Terminal-Angle Constraint for Intercepting Nonmaneuvering Targets Under Physical Constraints. IEEE Transactions on Aerospace and Electronic Systems, 2017, 53, 1562-1572.	2.6	52
26	Impact-Time-Control Guidance Law With Constraints on Seeker Look Angle. IEEE Transactions on Aerospace and Electronic Systems, 2017, 53, 2621-2627.	2.6	80
27	Generalized optimal impact-angle-control guidance with terminal acceleration response constraint. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2017, 231, 2515-2536.	0.7	5
28	Reference Shaping for Impact Angle and Time Control under Field-of-View Limit. IFAC-PapersOnLine, 2017, 50, 15191-15196.	0.5	4
29	Integrated cooperative guidance framework and cooperative guidance law for multi-missile. Chinese Journal of Aeronautics, 2018, 31, 546-555.	2.8	46
30	Field-of-view Constrained Polynomial Guidance Law for Interception of Moving Target using Dual-Seeker Interceptors. IFAC-PapersOnLine, 2018, 51, 377-382.	0.5	7
31	A Guidance Method Adapted to the Full Strap-Down Laser Homing System. , 2018, , .		0
32	Hyperbolic tangent function weighted optimal intercept angle guidance law. Aerospace Science and Technology, 2018, 78, 604-619.	2.5	33
33	A Two-Phased Guidance Law for Impact Angle Control with Seeker's Field-of-View Limit. International Journal of Aerospace Engineering, 2018, 2018, 1-13.	0.5	11
34	Look Angle Constrained Impact Angle Control Guidance Law for Homing Missiles With Bearings-Only Measurements. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 3096-3107.	2.6	67
35	Adaptive Fuzzy Sliding Mode Guidance Law considering Available Acceleration and Autopilot Dynamics. International Journal of Aerospace Engineering, 2018, 2018, 1-10.	0.5	8
36	Impact Angle and Time Control Guidance Under Field-of-View Constraints and Maneuver Limits. International Journal of Aeronautical and Space Sciences, 2018, 19, 217-226.	1.0	17

#	ARTICLE	IF	CITATIONS
37	Backstepping-Based Impact Time Control Guidance Law for Missiles With Reduced Seeker Field-of-View. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 82-94.	2.6	53
38	Fixed Final Time Field of View and Impact Angle Constrained Guidance. , 2019, , .		0
39	A New Guidance Law for Look-Angle Constrained Interception of Moving Targets. , 2019, , .		9
40	Optimal Linear-Quadratic Guidance Law Considering Autopilot First-Order Lag with Terminal Acceleration Constraint. Lecture Notes in Electrical Engineering, 2019, , 2310-2330.	0.3	0
41	Field-of-View and Impact Angle Constrained Guidance Law for Missiles With Time-Varying Velocities. IEEE Access, 2019, 7, 61717-61727.	2.6	11
42	Off-Target Look Angle Control Guidance Law for Moving Targets. Journal of Guidance, Control, and Dynamics, 2019, 42, 2432-2442.	1.6	2
43	A Bearings-Only Trajectory Shaping Guidance Law With Look-Angle Constraint. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 3303-3315.	2.6	23
44	Nonlinear mapping based impact angle control guidance with seeker's field-of-view constraint. Aerospace Science and Technology, 2019, 86, 724-736.	2.5	45
45	A Composite Guidance Law for Suppressing Measurement Noise of LOS Angular Rate. Mathematical Problems in Engineering, 2019, 2019, 1-10.	0.6	0
46	Three-Stage Proportional Navigation for Intercepting Stationary Targets with Impact Angle Constraints. , 2019, , .		8
47	A Field-of-view Constrained Switched-Phase Two-Stage Adaptive Integrated Guidance Law. , 2019, , .		1
48	Guidance law for mimicking short-range ballistic trajectories. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2019, 233, 4176-4190.	0.7	4
49	Integrated strapdown missile guidance and control based on neural network disturbance observer. Aerospace Science and Technology, 2019, 84, 170-181.	2.5	53
50	An Intercept and Following Strategy for a Multi-rotor Platform using a Modified Proportional Navigation. , 2019, , .		0
51	Impact Time Control with Generalized Look Angle Formulation under Constraint. , 2019, , .		0
52	Off-Target Look Angle Control Guidance Law for Moving Targets. , 2019, , .		0
53	Field-of-View Constrained Impact Angle Control Guidance Guaranteeing Error Convergence before Interception. , 2019, , .		2
54	A Convex Programming Approach to Mid-course Trajectory Optimization for Air-to-Ground Missiles. International Journal of Aeronautical and Space Sciences, 2020, 21, 479-492.	1.0	12

#	ARTICLE	IF	CITATIONS
55	Look-Angle-Shaping Guidance Law for Impact Angle and Time Control With Field-of-View Constraint. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 1602-1612.	2.6	45
56	Finite-Horizon Robust Suboptimal Control-Based Impact Angle Guidance. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 1955-1965.	2.6	27
57	Capturability of Impact-Angle Control Composite Guidance Law Considering Field-of-View Limit. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 1077-1093.	2.6	25
58	Three-dimensional integrated guidance and control for strap-down missiles considering seeker's field-of-view angle constraint. Transactions of the Institute of Measurement and Control, 2020, 42, 1097-1109.	1.1	13
59	Polynomial guidance law for impact angle control with a seeker look angle limit. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2020, 234, 857-870.	0.7	7
60	Feasible Initial Conditions for Bias Proportional Navigation Guidance Laws Under Look Angle Constraints. , 2020, , .		1
61	Coning motion instability of spinning missiles induced by the delay of strap-down seeker. Chinese Journal of Aeronautics, 2020, 33, 3360-3368.	2.8	2
62	Time-Varying Asymmetric Barrier Lyapunov Function-Based Impact Angle Control Guidance Law With Field-of-View Constraint. IEEE Access, 2020, 8, 185346-185359.	2.6	4
63	Impact Angle Control Guidance Law Considering the Seeker's Field-of-View Constraint Applied to Variable Speed Missiles. IEEE Access, 2020, 8, 100608-100619.	2.6	5
64	Impact-Time-Control Guidance Strategy with a Composite Structure Considering the Seeker's Field-of-View Constraint. Journal of Guidance, Control, and Dynamics, 2020, 43, 1566-1574.	1.6	29
65	Three-dimensional impact angle control guidance with field-of-view constraint. Aerospace Science and Technology, 2020, 105, 106014.	2.5	27
66	Integrated guidance and control for missile with narrow field-of-view strapdown seeker. ISA Transactions, 2020, 106, 124-137.	3.1	17
67	Field-of-View Constrained Guidance Law for a Maneuvering Target With Impact Angle Control. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 4974-4983.	2.6	20
68	Direct impact angle control guidance for passive homing missiles. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2020, 234, 2139-2152.	0.7	4
69	Computational Issues in Sparse and Dense Formulations of Integrated Guidance and Control with Constraints. International Journal of Aeronautical and Space Sciences, 2020, 21, 826-835.	1.0	4
70	Three-Dimensional Geometric Descent Guidance With Impact Angle Constraint. IEEE Access, 2020, 8, 64932-64948.	2.6	1
71	Field-of-view-constrained impact angle control guidance with error convergence before interception considering speed changes. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2021, 235, 238-256.	0.7	7
72	Integral barrier Lyapunov functions-based integrated guidance and control design for strap-down missile with field-of-view constraint. Transactions of the Institute of Measurement and Control, 2021, 43, 1464-1477.	1.1	7

#	ARTICLE	IF	CITATIONS
73	Moving Target Interception Guidance Law for Any Impact Angle with Field-of-View Constraint. , 2021, , .		4
74	Adjustable impact-time-control guidance law against non-maneuvering target under limited field of view. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2022, 236, 368-378.	0.7	5
75	Sliding mode-based simultaneous control of impact angle and impact time. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2022, 236, 1269-1281.	0.7	4
76	Field-of-view limited guidance with impact angle constraint and feasibility analysis. Aerospace Science and Technology, 2021, 114, 106753.	2.5	14
77	Singular-Perturbation-Based Guidance of Pulse Motor Interceptors with Look Angle Constraints. Journal of Guidance, Control, and Dynamics, 2021, 44, 1356-1370.	1.6	4
78	Integral barrier Lyapunov function-based three-dimensional low-order integrated guidance and control design with seeker's field-of-view constraint. Aerospace Science and Technology, 2021, 116, 106886.	2.5	8
79	Analysis of a Two-Gain Guidance Law Against Nonmaneuvering Moving Targets. IEEE Transactions on Aerospace and Electronic Systems, 2021, , 1-1.	2.6	0
80	FOV constrained guidance law for nonstationary nonmaneuvering target interception with any impact angle. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 0, , 095441002110468.	0.7	0
81	Generalized Guidance Formulation for Impact Angle Interception with Physical Constraints. Aerospace, 2021, 8, 307.	1.1	6
82	Integrated guidance and control for damping augmented system via convex optimization. Chinese Journal of Aeronautics, 2022, 35, 30-39.	2.8	1
83	A TUTORIAL ON LINEAR QUADRATIC OPTIMAL GUIDANCE FOR MISSILE APPLICATIONS. Journal of the Korean Society for Industrial and Applied Mathematics, 2015, 19, 217-234.	0.0	0
84	Field-of-View Constrained Cooperative Guidance Law for Simultaneous Attack with Multiple Missiles. , 2019, , .		2
85	Integrated Strapdown Missile Guidance and Control With Field-of-View Constraint and Actuator Saturation. IEEE Access, 2020, 8, 123623-123638.	2.6	5
86	Polynomial Guidance Law for Dual-Seeker Interceptors. Journal of Guidance, Control, and Dynamics, 0, , 1-12.	1.6	1
87	Impact Angle Constrained Guidance Law for Intercepting Non-maneuvering Targets Avoiding Obstacles. , 2022, , .		1
88	Impact Angle Constrained Time-Optimal Guidance Law for Stationary Target Interception in 3D. , 2022, , .		4
89	Field-of-View Constrained Three-Dimensional Impact Angle Control Guidance for Speed-Varying Missiles. IEEE Transactions on Aerospace and Electronic Systems, 2022, 58, 3992-4003.	2.6	8
90	Cooperative Circular Guidance with Nonuniform Field-of-View Constraints. Journal of Guidance, Control, and Dynamics, 2022, 45, 1435-1450.	1.6	7

#	ARTICLE	IF	CITATIONS
91	Gravity-compensated guidance for impact-angle interception of a moving target. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 0, , 095441002210821.	0.7	0
92	Impact angle guidance law to prevent the detection degradation of a seeker. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2022, 236, 1738-1750.	0.7	1
93	Three-dimensional field of view and impact angle constrained guidance with terminal speed maximization. Aerospace Science and Technology, 2022, 126, 107552.	2.5	8
94	Unified Method for Field-of-View-Limited Homing Guidance. Journal of Guidance, Control, and Dynamics, 2022, 45, 1415-1434.	1.6	13
95	Augmented Plane Pursuit for Impact-Angle Control in Three Dimensions. Journal of Guidance, Control, and Dynamics, 2022, 45, 1769-1775.	1.6	1
96	A trajectory shaping guidance law with field-of-view angle constraint and terminal limits. Journal of Systems Engineering and Electronics, 2022, 33, 426-437.	1.1	5
97	Generalized Analysis of Biased Proportional Navigation Guidance with Fractional Power Error Feedback. Journal of Guidance, Control, and Dynamics, 2022, 45, 1598-1613.	1.6	2
98	Deep Reinforcement Learning-Based Impact Time Control Guidance Law with Constraints on the Field-of-View. Aerospace Science and Technology, 2022, , 107765.	2.5	8
99	Closed-Form Nonlinear Impact Angle Guidance using State-Dependent Riccati Equation Approach. , 2022, , .		1
100	Optimal Look-Angle Guidance with Field-of-View and Impact Angle Constraints for Strapdown Munition. International Journal of Aerospace Engineering, 2022, 2022, 1-13.	0.5	0
101	Sliding mode control based impact angle constrained guidance with predefined convergence time. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2023, 237, 1267-1285.	0.7	0
102	Field-to-View Constrained Integrated Guidance and Control for Hypersonic Homing Missiles Intercepting Supersonic Maneuvering Targets. Aerospace, 2022, 9, 640.	1.1	3
103	Time-optimal moving target interception with impact angle constraint. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 0, , 095441002211334.	0.7	0
104	A New United Proportional Navigation Guidance for Impact Angle Constraint without Measurement Distance between Vehicle and Target. International Journal of Aerospace Engineering, 2022, 2022, 1-19.	0.5	0
105	Multiple Constraints-Based Adaptive Three-Dimensional Back-Stepping Sliding Mode Guidance Law against a Maneuvering Target. Aerospace, 2022, 9, 796.	1.1	2
106	Look Angle Constrained Guidance Law for Stationary Target Interception in 3D. , 2023, , .		0
107	Current status and prospects of terminal guidance laws for intercepting hypersonic vehicles in near space: a review. Journal of Zhejiang University: Science A, 2023, 24, 387-403.	1.3	5
115	Field-of-View and Impact Angle Constrained Guidance Law for Missile with Reducing Sensitivity on Initial Errors based on optimal Error Dynamics. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
---	---------	----	-----------