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	Titolo	German pop music : a companion / / edited by Uwe Schutt
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	ISBN	3-11-042354-5 3-11-042572-6
	Descrizione fisica	1 online resource (276 pages)
	Collana	Companions to Contemporary German Culture, , 2193-9659 ; ; Volume 6
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	Nota di contenuto	Frontmatter -- Table of Contents -- Introduction - Pop Music as the Soundtrack of German Post-War History / Schütte, Uwe -- Schlager and Musical Conservatism in the Post-War Era / Mendívil, Julio -- The Protest Song of the Late 1960s and Early 1970s - Franz Josef Degenhardt and Ton Steine Scherben / Robb, David -- Krautrock - The Development of a Movement / Littlejohn, John -- Kraftwerk - Industrielle Volksmusik between Retro-Futurism and Ambivalence / Schütte, Uwe -- Fehlfarben and German Punk: The Making of 'No Future' / Shahan, Cyrus -- Ripples on a Bath of Steel - The Two Stages of Neue Deutsche Welle (NDW) / Jäger, Christian -- Einstürzende Neubauten to Rammstein: Mapping the Industrial Continuum in German Pop Music / Carpenter, Alexander -- Sender Deutschland - The Development and Reception of Techno in Germany / Monroe, Alexei -- Rap in Germany - Multicultural Narratives of the Berlin Republic / Munderloh, Marissa Kristina -- Diskursrock and the 'Hamburg School'. German Pop Music as Art and Intellectual Discourse / Jürgensen, Christoph / Weixler, Antonius -- Saying 'Yes!' While Meaning 'No!' - A Conversation with Diedrich Diederichsen / Deisl, Heinrich -- Contributors -- Bibliography -- Index
	Sommario/riassunto	The development of German pop music represents a fascinating

cultural mirror to the history of post-war Germany, reflecting sociological changes and political developments. While film studies is an already established discipline, German pop music is currently emerging as a new and exciting field of academic study.This pioneering companion is the first volume to provide a comprehensive overview of the subject, charting the development of German pop music from the post-war period 'Schlager' to the present 'Diskursrock'. Written by acknowledged experts from Germany, the UK and the US, the various chapters provide overviews of pertinent genres as well as focusing on major bands such as CAN, Kraftwerk or Rammstein. While these acts have shaped the international profile of German pop music, the volume also undertakes in-depth examinations of the specific German contributions to genres such as punk, industrial, rap and techno.The survey is concluded by an interview with the leading German pop theorist Diedrich Diederichsen. The volume constitutes an indispensible companion for any student, teacher and scholar in the area of German studies interested in contemporary popular culture.

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Autore	Fleeman Eugene L
Titolo	Missile Design Guide
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ISBN	9781624106347 9781624106187
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Livello bibliografico	Monografia
Nota di contenuto	Cover -- Half Title -- Title Page -- Copyright Page -- Contents -- Preface -- Chapter 1: Introduction -- 1.1 Overview -- 1.2 Missile

Characteristics Comparison -- 1.3 Conceptual Design and System Engineering Process -- 1.4 System-of-Systems Comparison -- 1.5 Examples of State-of-the-Art Missiles -- 1.6 Examples of Alternatives in Establishing Mission Requirements -- 1.7 Use of a Baseline Missile -- Chapter 2: Aerodynamics -- 2.1 Introduction -- 2.2 Missile Diameter Tradeoff -- 2.3 Nose Fineness and Geometry Tradeoffs -- 2.4 Body Drag Prediction -- 2.5 Boattail Tradeoffs -- 2.6 Body Normal Force and Lift-to-Drag Prediction -- 2.7 Sign Convention of Forces, Moments, and Axes -- 2.8 Static Stability and Body Aerodynamic Center Prediction -- 2.9 Flare Stabilizer Tradeoffs -- 2.10 Wings Versus No Wings -- 2.11 Normal Force Prediction for Planar Surfaces -- 2.12 Aerodynamic Center Location and Hinge Moment Prediction for Planar Surfaces -- 2.13 Planar Surface Drag and Lift-to-Drag Prediction -- 2.14 Surface Planform Geometry and Integration Alternatives -- 2.15 Flight Control Alternatives -- 2.16 Maneuver Law Alternatives -- 2.17 Roll Angle and Control Surface Sign Convention -- 2.18 Trim and Static Stability Considerations -- 2.19 Stability and Control Conceptual Design Criteria -- Chapter 3: Propulsion -- 3.1 Introduction -- 3.2 Propulsion Alternatives Assessment -- 3.3 Turbojet Flow Path, Components, and Nomenclature -- 3.4 Turbojet Thrust Prediction -- 3.5 Turbojet Specific Impulse Prediction -- 3.6 Subsonic Turbojet Propulsion Efficiency -- 3.7 Ramjet Flow Path, Components, and Nomenclature -- 3.8 Ramjet Temperature and Specific Impulse Prediction -- 3.9 Ramjet Thrust Prediction -- 3.10 Ramjet Inlet Design Considerations -- 3.11 Ramjet Combustor Design Considerations -- 3.12 Ramjet Booster Integration -- 3.13 Ramjet Inlet Options.
3.14 Supersonic Inlet/Airframe Integration -- 3.15 Fuel Alternatives -- 3.16 Solid Propellant Rocket Motor Flow Path, Components, and Nomenclature -- 3.17 Rocket Motor Performance Prediction -- 3.18 Rocket Motor Sizing Process -- 3.19 Solid Propellant Rocket Motor Production Alternatives -- 3.20 Solid Propellant Rocket Thrust Magnitude Control -- 3.21 Solid Propellant Alternatives -- 3.22 Solid Propellant Aging -- 3.23 Solid Propellant Rocket Combustion Stability -- 3.24 Rocket Motor Case and Nozzle Material Alternatives -- 3.25 Ducted Rocket Design Considerations -- Chapter 4: Weight -- 4.1 Introduction -- 4.2 Missile Weight Prediction -- 4.3 Center-of-Gravity and Moment-of-Inertia Prediction -- 4.4 Missile Airframe Structure Manufacturing Processes -- 4.5 Missile Airframe Material Alternatives -- 4.6 Missile Structure/Insulation Trades -- 4.7 H igh Temperature Insulation Materials -- 4.8 Missile Aerodynamic Heating/Thermal Response Prediction -- 4.9 Localized Aerodynamic Heating and Thermal Stress -- 4.10 Missile Structure Design -- 4.11 Seeker Dome Alternatives -- 4.12 Missile Power Supply and Flight Control Actuators -- Chapter 5: Flight Performance -- 5.1 Introduction -- 5.2 Missile Flight Performance Envelope -- 5.3 Equations of Motion Modeling -- 5.4 Driving Parameters for Missile Flight Performance -- 5.5 Steady-State Flight and Constant Bearing Intercept -- 5.6 Boost, Glide, Coast, Ballistic, and Divert Flight -- 5.7 Turn Performance -- Chapter 6: Other Measures of Merit -- 6.1 Introduction -- 6.2 Robustness -- 6.3 Lethality -- 6.4 Accuracy -- 6.5 Carriage and Launch Observables -- 6.6 Missile Survivability and Safety -- 6.7 Reliability -- 6.8 Cost -- 6.9 Launch Platform/Fire Control Integration -- Chapter 7: Sizing Examples and Sizing Tools -- 7.1 Introduction -- 7.2 Rocket Baseline Missile -- 7.3 Ramjet Baseline Missile.
7.4 T urbojet Baseline Missile -- 7.5 Baseline Guided Bomb -- 7.6 Computer Aided Conceptual Design Sizing Tools -- 7.7 Soda Straw Rocket (DBF, Pareto, Uncertainty Analysis, HOQ, DOE) -- Chapter 8: Development Process -- 8.1 Missile Technology and System

	Development Process -- 8.2 E xamples of State-of-the-Art Advancement -- 8.3 Enabling Technologies for Missiles -- Chapter 9: Lessons Learned -- Chapter 10: Summary -- 10.1 Missile Design Guidelines -- 10.2 Wrap Up -- Chapter 11: References, Bibliography -- 11.1 References -- 11.2 Bibliography -- Chapter 12: Appendices -- List of Figures -- Follow-up Communication -- Index -- Supplemental Materials.
Sommario/riassunto	In his latest book, Missile Design Guide, Eugene Fleeman presents a comprehensive compilation of the missile design process pulling from his 50+ years of experience in the design and development of missile systems. The handbook consists of full color figures with self-standing graphs, tables, charts, and diagrams.