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Nota di contenuto	SDH/SONET Explained in Functional Models; Contents; Preface; Acknowledgements; Abbreviations; 1 Introduction; 1.1 History; 1.2 Justification; 1.3 Remarks on the concept; 1.4 Standards structure; 2 Functional modeling; 2.1 Functional architecture of transport networks; 2.2 Functional model requirements; 2.3 Functional model basic structure; 2.3.1 Architectural components; 2.3.2 Topological components; 2.4 Functional model detailed structure; 2.4.1 Transport entities; 2.4.2 Transport processing functions; 2.4.3 Reference points; 2.4.4 Components comparison; 2.5 Client/server relationship 2.5.1 Multiplexing2.5.2 Inverse multiplexing; 2.6 Layer network interworking; 2.7 Linking the functional model and the information model; 2.8 Application of concepts to network topologies and structures; 2.8.1 PDH supported on SDH layer networks; 2.8.2 Inverse multiplexing transport; 3 Partitioning and layering; 3.1 Layering concept; 3.2 Partitioning concept; 3.2.1 Sub-network partitioning; 3.2.2 Flow domain partitioning; 3.2.3 Link partitioning; 3.2.4 Access group partitioning; 3.3 Concept applications; 3.3.1 Application of the layering concept; 3.3.2 Application of the partitioning concept 4 Expansion and reduction4.1 Expansion of layer networks; 4.1.1

Expansion of the path layer network; 4.1.2 Expansion of the transmission media layer; 4.1.3 Expansion of specific layer networks into sublayers; 4.2 General principles of expansion of layers; 4.2.1 Adaptation expansion; 4.2.2 Trail termination expansion; 4.2.3 Connection point expansion; 4.3 Reduction of detail; 5 Adaptation functions; 5.1 Generic adaptation function; 5.2 Adaptation function examples; 5.2.1 The Sn/Sm_A function; 5.2.2 The OCh/Rsn_A function; 5.2.3 The LCAS capable Sn-X-L/ETH_A function; 5.2.4 GFP mapping in the Sn-X/_A function; 6 Trail termination functions; 6.1 Generic trail termination function; 6.2 Trail termination function examples; 6.2.1 The Sn_TT function; 6.2.2 The OCh_TT function; 6.2.3 The ETH_FT function; 7 Connection functions; 7.1 Generic connection function; 7.2 Connection function example; 7.2.1 VC-n layer connection function Sn_C; 7.2.2 ETH flow domain; 7.3 Connection matrix examples; 7.3.1 Connection matrix example for full connectivity; 7.3.2 Connection matrix example for two groups; 7.3.3 Connection matrix example for three groups; 8 Connection supervision; 8.1 Quality of Service; 8.2 Connection monitoring methods; 8.2.1 Inherent monitoring; 8.2.2 Non-intrusive monitoring; 8.2.3 Intrusive monitoring; 8.2.4 Sublayer monitoring; 8.3 Connection monitoring applications; 8.3.1 Monitoring of unused connections; 8.3.2 Tandem connection monitoring; 9 Protection models; 9.1 Introduction; 9.2 Protection; 9.2.1 Trail protection; 9.2.2 Sub-network connection protection; 10 Compound functional models and their decomposition; 10.1 LCAS disabled VCAT functions; 10.1.1 Sn-Xv trail termination function; 10.1.2 Sn-Xv/Sn-X adaptation function

Sommario/riassunto

H/SONET Explained in Functional Models represents a fresh approach to the modeling of transport network technologies. This practical guide and reference text uncovers the description of SDH (Synchronous Digital Hierarchy), SONET (Synchronous Optical Network) and OTN (Optical Transport Network) transport networks and equipment using functional/atomic modeling techniques. It clearly explains the use of models in the ITU-T and ETSI standards, the transport networks and the transport equipment in the definition, implementation and deployment phase. Pays particular atte

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Autore	Dunn Robert M.
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Nota di contenuto	INTERNATIONAL ECONOMICS; Copyright; Contents; List of figures; List of tables; List of boxes; List of exhibits; Preface; Chapter 1 Introduction; Learning objectives; Why international economics is a separate field; The organization of this volume; Information about international economics; Summary of key concepts; Questions for study and review; Suggested further reading; part one International Trade And Trade Policy; Chapter 2 Patterns of trade and the gains from trade: insights from Classical theory; Learning objectives; Absolute advantage; Comparative advantage Additional tools of analysisThe concept of opportunity cost; The production-possibility curve with constant opportunity cost; Demand conditions and indifference curves; International trade with constant costs; International trade with increasing costs; The pre-trade equilibrium; The post-trade equilibrium; The effect of trade; The division of the gains from trade; Comparative advantage with many goods; Empirical verification in a world with many goods; Summary of key concepts; Questions for study and review; Suggested further reading; Appendix: The role of money prices; Notes Chapter 3 Trade between dissimilar countries: insights from the factor proportions theoryLearning objectives; Factor proportions as a determinant of trade; Formulating a model; Implications of the factor

proportions theory for the distribution of income; The distribution of income and factor price changes; Income redistribution and the welfare economics of trade; Fixed factors of production in the short run; Trade: a substitute for factor movements; Empirical verification in a world with many goods; Modifying the basic assumptions; Summary of key concepts; Questions for study and review
 Suggested further reading
 Appendix: A more formal presentation of the Heckscher-Ohlin Model with two countries, two commodities, and two factors; The production function; Derivation of the production-possibility curve; Another application of the box diagram; Notes;
 Chapter 4 Trade between similar countries: implications of decreasing costs and imperfect competition; Learning objectives; External economies of scale; Decreasing opportunity cost; The product cycle; Preference similarities and intra-industry trade
 Economies of scale and monopolistic competition
 Trade with other forms of imperfect competition; Cartels; Dumping; Further aspects of trade with imperfect competition; Summary of key concepts; Questions for study and review; Suggested further reading; Appendix: Derivation of a reaction curve; Notes;
 Chapter 5 The theory of protection: tariffs and other barriers to trade; Learning objectives; Administrative issues in imposing tariffs; Tariffs in a partial equilibrium framework; The small-country case; Quotas and other nontariff trade barriers; Quantitative restrictions on imports
 Production subsidies

Sommario/riassunto

Thoroughly revised to take into account the latest issues and controversies in international economics, this new edition includes a range of aids to help student learning and class presentation. Featuring learning objectives, questions, further reading suggestions and a variety of real world examples, this introductory text enables the reader to understand both current events and policy proposals. Breaking new ground in its coverage of micro and macro economics new issues covered also include:
 * new developments in regional trade blocks and Uruguay Round agreements
 * International Publi
