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| Autore                  | Hillar Gaston C  |
| Titolo                  | Professional parallel programming with C# [[electronic resource] ] : master parallel extensions with .net 4 // Gaston C. Hillar  |
| Pubbl/distr/stampa      | Indianapolis, Ind., : Wiley Pub., Inc., 2011   |
| ISBN                    | 1-118-02977-1<br>1-282-93982-3<br>9786612939822<br>1-118-02812-0   |
| Edizione                | [1st ed.]  |
| Descrizione fisica      | 1 online resource (577 p.)   |
| Collana                 | Wrox programmer to programmer  |
| Disciplina              | 005.275<br>006.7882  |
| Soggetti                | C# (Computer program language)<br>Parallel programming (Computer science)<br>Electronic books.   |
| Lingua di pubblicazione | Inglese  |
| Formato                 | Materiale a stampa   |
| Livello bibliografico   | Monografia   |
| Note generali           | Includes index.  |
| Nota di contenuto       | Machine generated contents note: ch. 1 Task-Based Programming -- ch. 2 Imperative Data Parallelism -- ch. 3 Imperative Task Parallelism -- ch. 4 Concurrent Collections -- ch. 5 Coordination Data Structures -- ch. 6 PLINQ: Declarative Data Parallelism -- ch. 7 Visual Studio 2010 Task Debugging Capabilities -- ch. 8 Thread Pools -- ch. 9 Asynchronous Programming Model -- ch. 10 Parallel Testing and Tuning -- ch. 11 Vectorization, SIMD Instructions, and Additional Parallel Libraries.  |
| Sommario/riassunto      | Are you maximizing the processing power in your multi-core computer systems? With this resource, you discover how to do exactly that, while gaining insight into concurrent programming with tasks to create professional parallel applications using C# 4, .Net 4, and Visual Studio 2010. You learn other parallel programming techniques, including modern single instruction, multiple data instructions and vectorization. Plus, you explore the possibilities offered by modern parallel libraries and advanced Intel tools with C#. Use the new lightweight coordination structures to tackle the most complex concurrent programming |

problems and develop your own customized solutions. --Book Jacket.

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