



## Keywords index

Ab initio calculation	115	Materials manufacturing and processing	108, 115
Amorphous materials	69	Mechanical properties	88, 98
Bulk modulus	115	Metallic alloys	88, 98
Density Functional Theory (DFT)	115	Microstructure	88, 98, 108
Elastic stiffness coefficients	115	Nanomaterials	69
Heat treatment	98	Precipitates	88
High – chromium martensitic cast steel	88	Silicon nitride	69
Lattice parameters	115	Silicon Quantum Dots	69
Materials	88-98	Wear plate	108
		Welding	108