Title	Author	Year	Input Type							Medial Type							
			2D Curves	Mesh Organic Shape	Mesh Mechanical Shape	Solid-Brep	Feature based Solid	Cell/ Voxel	Non-Manifold	Medial Axis Transform	Thinning	Pre-cooked/ Pre-defined	Decomposition	Chordal Axis Transform	Skeleton	Parametric	Medial Abstraction
A Transformation For Extracting New Descriptors Of Shape. In Models For The Perception Of Speech And Visual Form	Harry Blum	1967	*							*							
A Novel Type of Skeleton for Polygons	OSWIN AICHHOLZER and FRANZ AURENHAMMER and DAVID ALBERTS and BERND GARTNER	1991	*												*		
Using Features To Support Finite Element Idealization	Padmanabh Dabke , Vallury Prabhakar and Sheri Sheppard	1994					*										
Feature Analysis using Line Sweep thinning algorithm	Fu Chang, Ya Ching Lu, Theo Pavlidis	1995	*												*		
Dimensional Reduction Of Analysis Models	Donaghy R. J. and MrCune W. and Bridgett S. J. and Armstrong C. G.	1996				*				*							
Midsurface Abstraction From 3D Solid Models: General Theory And Applications	Mohesen Rezayat	1996				*											*
Mid-Surface Of Profile-Based Freeform For Mold Design	A Fischer, A Smolin, G Elber	1999	*				*									*	
Morphological Analysis For Product Design	M. Belaziz, A. Bouras, J.M. Brun	2000				*						*					
Skeletonization of Ribbon-Like Shapes Based on Regularity and Singularity Analyses	Ju Jia Zou and Hong Yan	2001	*							*			*				
Feature-based CAD-CAE integration model for injection moulded product design	Y M Deng and G A Britton and Y C Lam and S B Tor and Y S Ma	2002				*						*					
Generating The Mid-Surface Of A Solid Using 2D Mat Of Its Faces	Ramanathan Gurumoorthy	2004	*							*							
A Cad-Integrated System For Automated Idealization Of Cad-Models For Finite Element Analysis	Roland Stolt	2005					*					*					
A Knowledge Based Manufacturing Advisor For Cad	HELEN L LOCKETT, PhD thesis	2005				*											

Automatic Preparation Of Cad-Generated Solid Geometry For Fe Meshing	Roland Stolt, S Sunnersjo	2005					*					*					
Design And Analysis Integration Model Based On Idealization Of Cad Geometry	M. Hamdi, N. Aifaoui, A. Benamara	2005					*					*					
A Sectioning Method For Constructing The Mid-Surface Of Thin Walled Die-Cast And Injection Moulded Parts	Roland Stolt	2006	*			*											
Automated Mixed Dimensional Modelling For The Finite Element Analysis Of Swept And Revolved Cad Features	T T Robinson, C G Armstrong, G McSparron, A Quenardel, H Ou & R M McKeag	2006	*				*			*							
Reusing Cad Models For Die-Casting Products For Fea	Roland Stolt	2006					*					*					
Automated Complex Mixed-Dimensional Model Creation	T T Robinson and Cecil Armstrong	2007				*				*							
Dimension Reduction Of Solid Models By Mid-Surface Generation	Dong-Pyoung Sheen, Tae-geun Son, Cheolhi Ryu, Sang Hun Lee, Kunwoo Lee	2007					*										*
Graph-Based Midsurface Extraction For Finite Element Analysis	Hanmin Lee et al	2007				*											*
Idealization Of Cad Geometry Using Design And Analysis Integration Features Models	M. Hamdi and N. Aifaoui and A. Benamara	2007					*					*					
Cad-Model Parsing For Automated Design And Design Evaluation	Roland Stolt	2008				*						*					
Recent Advances In Cad/Cae Technologies For Thin-Walled Structures Design And Analysis	Cecil Armstrong and T T Robinson and Hengan Ou	2008				*				*							
Similarity Measures For Mid-Surface Quality Evaluation	HELEN L LOCKETT, Marin Guenov	2008				*											*
Solid Deflation Approach To Transform Solid Into Mid-Surface	Dong-Pyoung Sheen et al	2008					*				*						
A Survey Of Cad Model Simplification Techniques For Physics-Based Simulation Applications	Thakur, Atul and Banerjee, Ashis Gopal and Gupta, Satyandra K.	2009				*	*	*	*	*							*

Feature-Based Non-Manifold Modelling System To Integrate Design And Analysis Of Injection Moulding Products	Sang Hun Lee	2009					*			*		*					
Integration Of Design And Analysis Models	Matt Sypkens Smit, W F Bronsvoort	2009					*										
Representation And Automated Generation Of Analysis Feature Model For Finite Element Analysis	Weijuan Cao and Haipang WU and Yuqin JIANG and Yusheng LIU and Shuming Gao	2009			*	*											*
Dimensional Reduction And Design Optimization Of Gas Turbine Engine Casings For Tip Clearance Studies	Felix Stanley	2010	*				*			*							
Determining the Skeleton of a Simple Polygon in (Almost) Linear Time	Robert Edwards	2010	*													*	
Transformation Of A Thin-Walled Solid Model Into A Surface Model Via Solid Deflation	Dong-Pyoung Sheen, Tae-geun Son, Dae-Kwang Myung, Cheolhi Ryu, Sang Hun Lee, Kunwoo Lee, Tae Jung Yeo	2010					*										*
Medial Axis Extraction and Thickness Measurement of Formed Sheet Metal Parts	Nataša Petrović	2010		*						*							
A Medial Axis Based Thinning Strategy for Character Images	Soumen Bag, Gaurav Harit	2011						*		*							
An Approach To Automated Conversion From Design Feature Model To Analysis Feature Model	Weijuan Cao and Xiaoshen Chen and Shuming Gao	2011					*					*					
Efficient Remeshing And Analysis Views For Integration Of Design And Analysis	Matthijs SYPKENS SMIT	2011					*					*					
Cad Model Simplification Using A Removing Details And Merging Faces Technique For A Fem Simulation	Hamdi Mounir and Aifaoui Nizar and Benamara Abdelmajid	2012				*											
Using Direct CAD Features and Parametric Data to Accelerate CAE Analysis	Shan Nageswaran	2012					*										
Development Of A Cad Model Simplification Framework For Finite Element Analysis	Brian Henry Russ	2012					*										
Integration design and analysis of excavator boom based on CAD/CAE	Aimin Ji and Kun Zhu and Xinlei Huang and Xu Yin	2013					*										*

Abstraction of mid-surfaces from solid models of thin-walled parts: A divide-and-conquer approach	Yoonhwan Woo	2013				*						*						*
Extraction of generative processes from B-Rep shapes and application to idealization transformations	Flavien Boussuge and Jean-Claude L´eon and St´efanie Hahmann and Lionel Fine	2013				*				*								
Idealized Models for FEA Derived from Generative Modelling Processes based on Extrusion Primitives	Flavien Boussuge and Jean-Claude L´eon and St´efanie Hahmann and Lionel Fine	2013				*				*			*					
Poly Decomp Algorithm (mnbayazit.com/406/bayazit)	Mark Bayazit	2013	*										*					
Feature-based simplification of boundary representation models using sequential ieterative volume decomposition	Kim, Byung Chul and Mun, Duhwan	2014				*												