















Tagging Analysis Techniques					
Amini et al	radial+grid	2D ACM	thin-plate splines	motion simulato	
Amini et al	grid	3D ACM	B-spline surfaces	motion simulato	
Young et al	grid	3D ACM	finite-element model	gel phantom	
Park et al	grid	3D ACM	deformable models	none	
Kumar & Goldgof	grid	2D ACM	thin-plate splines	manual tracking	
Guttman et al	radial & parallel	2D ACM/	ſM none	none	

THE REAL		Imperial Colle London		
Tagging Analysis Techniques				
O'Dell et al	parallel	3D ACM/TM series expansion motion simulator		
Declerck et al	parallel	3D ACM/TM planispheric transformation none		
Denney & Prince	parallel	3D ACM/TM Fisher estimation motion simulator		
Prince & McVeigh	grid	2D OF velocity fields motion simulator and phantom		
Gupta & Prince	grid	2D OF velocity fields motion simulator		
Dougherty et al	grid	2D OF velocity fields gel phantom		
Osman et al	grid	2D – HARP motion simulator		



































- Buonocore, 1994 (divergence minimisation)
- Herment et al, 1999 (spatial regularization with diffusion process)
- Fatouraee & Amini, 2003 (divergence free & stream funciton)
- Ng and Yang 2003, Carmo & Yang, 2004 (total variation restoration)













- Young and Axel, 1992-1995 (model based approach and FEM)
 Van Wedeen, 1992 (strain rate tensor)
- Zhu, 1996, 1997, 1999 (Fourier tracking and saptio-temporal model)
 Meyer et al, 1996 (stochastic approach)
- Park et al. 1996 (volumetric deformable models)
- Park et al. 1996 (volumetric detormable models)
 Amini et al. 1998 (cupled b-snake grids and constrained thin-plate splines)
 Arai et al 1999 (global local decoupled analysis)
 Masood et al 2002 (spline based virtual tagging)
 Chandrashekara and Rueckert, 2004 (spline based free form registration)
 Lee et al 2006, 2007 (FEM, Kriging and TV)





















































Uptake of ¹⁸F-FDG is higher in inflamed carotid artery plaque and could be an indicator for plaque rupture Rudd et al Cambridge University







































