



Influence of Processing  
Parameters on the Flow Path  
in Friction Stir Welding

NASA Technical Reports Server  
(NTRS)

**DOWNLOAD**



## Influence of Processing Parameters on the Flow Path in Friction Stir Welding

By -

BiblioGov. Paperback. Book Condition: New. This item is printed on demand. Paperback. 32 pages. Dimensions: 9.7in. x 7.4in. x 0.1in. Friction stir welding (FSW) is a solid phase welding process that unites thermal and mechanical aspects to produce a high quality joint. The process variables are rpm, translational weld speed, and downward plunge force. The strain-temperature history of a metal element at each point on the cross-section of the weld is determined by the individual flow path taken by the particular filament of metal flowing around the tool as influenced by the process variables. The resulting properties of the weld are determined by the strain-temperature history. Thus to control FSW properties, improved understanding of the processing parameters on the metal flow path is necessary. This item ships from La Vergne, TN. Paperback.



**READ ONLINE**

[ 8.18 MB ]

### Reviews

*This ebook is very gripping and exciting. It is one of the most amazing book we have study. Its been printed in an remarkably easy way and it is only after i finished reading this book through which really transformed me, affect the way i think.*

-- **Camille Greenholt**

*It is really an remarkable ebook that we actually have ever read through. I actually have study and i also am confident that i am going to gonna study once more yet again in the foreseeable future. It is extremely difficult to leave it before concluding, once you begin to read the book.*

-- **Ewell Rempel**