```
O1000

G90 G80 G64 G40
G17
T17
M6  (Milling tool ø32 R3.1)

S15000 M3
G0 G90 G54.2 P1 A0 C0 X-100. Y0
M7

G43 G0 Z3. H17 M8
D17(Tool Radius)
G1 Z0 F200.

#1=18.(Radius)
#2=5.(Depth)
M98 P500(Call Program 500)

G90G0Z3.
X0 Y0
G1 Z0

#1=20.(Radius)
#2=10.(Depth)
M98P500(Call Program 500)

G90G0Z3.
X100. Y0
G1 Z0

#1=25.(Radius)
#2=5.(Depth)
M98P500(Call Program 500)

G90
G0 G53 Z0
M30
```

Fanuc Macro Programming Examples

Peter Smid

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Level of Sealed Metal Container by Ultrasonic Design of Silicon on Sapphire Pressure Sensor For High Temperature And High Pressure Applications The Federated Filtering Algorithm based on the Asynchronous Multisensor System A Kind of Self tuning Kalman Filter for the High Maneuvering Target Tracking System A Multitasking Run Time Prediction Method based on GBDT in Satellite Ground Application System Unmanned Ground Vehicle Behavior Decision via Improved Bayesian Inverse Reinforcement Learning Analysis of the High Frequency Vibration on Radar Imaging in the Terahertz Band Object Tracking for Satellite Video based on Kernelized Correlation Filters and Three Frame Difference Noise Removal and Detail Enhancement of Passive Infrared Image Pretreatment Method for Robot Vision Failure Mechanism and Support Strategy of Deep Roadway with High Horizontal Stress and Broken Rock Masss Design of a Climbing Robot for Nuclear Environmental Monitoring Part V Mechatronics and Electrical Engineering I The design and simulation of the new Space Release Device The Adjusting Method of Box Girder Pose based on Spatial Coordinate Transformation Application of Discrete Element Method in the Analysis of Loader Shovel Loading Process Application of Piecewise Catenary Method in Length Calculation of Soft Busbar in Ultra high Voltage Substation Calculation Method of Stiffness Matrix in Non linear Spline Finite Element for Suspension Cable A Load Outage Judgement Method Considering Voltage Sags Macro Program Application on Non circular Curve Machining in CNC Lathe Singular Configuration Analysis for the Structure of Hybrid Grinding and Polishing Machine Static Analysis and Size Optimization for the Bed of Gantry Milling Machine based on ANSYS Workbench Research and Optimization of Clip Type Passive Manipulator Research on Material Removal of Belt Polishing for Blade Complex Surface Visual Servoing based object pick and place manipulation system Research on Wind Loads of Container Ship based on CFD Design and Research of Model Sting Support Control System of Icing Wind Tunnel Development of Control System of Icing Wind Tunnel Railway Track Collapse Monitoring System in Mining Area based on KALMAN Filter The Method of Harmonic Source Identification in Power Supply System Optimization for the Balancing Cylinder of a 3 DOF Planar Manipulator Finite Element Modal Analysis of an Eight axis Industrial Robot Painting System Applied to Boarding Bridge Painting Bayesian based Fault Identification for Nonlinear Mechatronic System with Backlash A CAD CAE Integrated Optimization of Hot Runner System Study On Tool Path Design for a Novel Incremental Sheet Metal Bending Process Research on Tribological Characteristics of 316L Stainless Steel against PEEKHPV under Water Lubrication Turbofan Engine Controller Optimal Design based on Grey Wolf Optimizer Part VI Mechatronics and Electrical Engineering II Research of the EMI Suppression Circuit in the ASM Power Research on the Relationship Identification and Governance Countermeasures of Stakeholder in Two Phases of Thermoelectric Projects Study on the Fluctuating Pressure and Aerodynamic Noise at Car Rearview Mirror Zone Model and Simulation of Vehicle Based on Modelica Language Research on Asynchronous Starting Characteristics of Synchronous Motors Based on TSC Reactive Power Compensator Motorcycle Engine Controller Design and Matlab Simulink Simulation An Efficient Bilinear Factorization based Method For Motion Capture Data Refinement Reliability Evaluation of

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