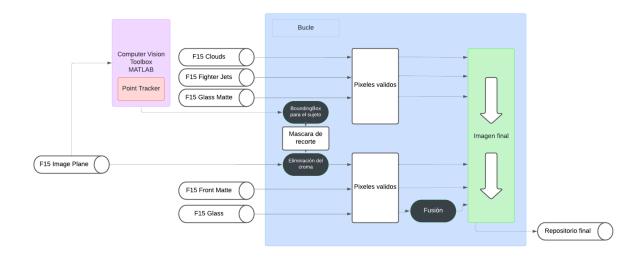
Procesamiento de video VFX mediante MATLAB

Presentado por

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Imagen y video por computador



Carga de repositorios:

```
% Cargar tracking
     load('pilot-tracker.mat');
     directory = './F15 Image Plane';
     directoryOcean = './F15 Ocean';
     directoryJets = './F15 Fighter Jets';
     directoryFrontMate = './F15 Front Matte';
     directoryGlassMate = './F15 Glass';
     directoryGlassBack = './F15 Glass Matte';
     files = dir(fullfile(directory, '*.png'));
12
     oceanFiles = dir(fullfile(directoryOcean,
     jetsFiles = dir(fullfile(directoryJets, '*.png'
     frontFiles = dir(fullfile(directoryFrontMate, '*.png'));
     glassBackFiles = dir(fullfile(directoryGlassBack, '*.png'));
     glassFiles = dir(fullfile(directoryGlassMate, '*.png'));
     processedDirectory = './F15 Image Plane-noBG';
     if ~exist(processedDirectory, 'dir')
         mkdir(processedDirectory);
     end
     outputVideo = VideoWriter('output.mp4', 'MPEG-4');
     open(outputVideo);
```

Bucle:

Carga de BBox

```
Crear Mascara:
```

Aplicar máscara y cargar capas:

Aplicar capas y guardar:

imgFinal = oceanImage;

```
maskNonBlackDet = jetImage == 0;
impfinal(maskNonBlackDet) = jetImage(maskNonBlackDet);

maskNonBlackGlass = glassBackImage == 0;
impfinal(maskNonBlackGlass) = jetImage(maskNonBlackGlass);

maskNonBlackGlass = glassBackImage == 0;
impfinal(maskNonBlackGlass) = jetImage(maskNonBlackGlass);

maskNonBlackGlass = glassBackImage == 0;
impfinal(maskNonBlackGlass) = jetImage(maskNonBlackGlass);

maskNonBlack = impfinal(maskNonBlackGlass) = jetImage(maskNonBlackGlass);

maskNonBlackGlass = glassBackImage == 0;
impfinal(maskNonBlackGlass) = jetImage(maskNonBlackGlass);

maskNonBlackGlass = glassBackImage(maskNonBlackGlass);

maskNonBlackGlass = glassBackImage(maskNonBlackGlass);

maskNonBlackGlass = glassBackImage(maskNonBlackGlass);

maskNonBlackGlass = glassBackImage(maskNonBlackGlass);

impfinal(maskNonBlackFont) = frontImage == 0;
impfinal(maskNonBlackFont) = frontImage == 0;
impfinal(maskNonBlackGlass = glassBackImage, letalge, glassBackFiles(i).name));
impfinal(maskNonBlackGlass == 0;
impfinal(maskN
```

Resultado:



Acceso:

https://github.com/MattiaSorella/ivc-proyecto.git https://drive.google.com/file/d/1ybPZbi8CSGpsWrCEJfiVeQY8_VU-S2r8/view?usp=sharing